Form 3160-3 (November 1983) (formerly 9-331C)

23

SIZE OF HOLE

SUBMIT IN TRIPLICATE (Other instructions on reverse sid

rorm approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

OUANTITY OF CEMENT

LEASE DESIGNATION AND SERIAL NO. UTU-74390 BUREAU OF LAND MANAGEMENT 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TIPE OF WORK 7. UNIT AGREEMENT NAME PLUG BACK DEEPEN DRILL X n/a b. TIPE OF WELL MULTIPLE S. FARM OR LEASE NAME SINGLE OIL X OTHER 2. NAME OF OPERATOR Monument Federal 9. WELL NO. Equitable Resources Energy Company #42-18-9-16Y 3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Monument Butte/Green River 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 1980' FNL. 500' FEL SE NE Section 18, T9S, R16E 388 At proposed prod. zone 2/007 Sec. 18, T9S, R16E 12. COUNTY OR PARISH | 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Duchesne From Myton. Utah approximately 10 mi SW

15. DISTANCE FROM PROPUSED*

LOCATION TO NEAREST

16. NO. UTAH 17. NO. OF ACRES ASSIGNED TO THIS WELL 16. NO. OF ACRES IN LEASE PROPERTY OR LEASE LINE, FT (Also to nearest drig, unit line, if any) 20. ROTARY OR CABLE TOOLS 18. DISTANCE FROM PROPOSED LOCATION®
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 5,900 Rotary 22, APPROX. DATE WORK WILL START 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6064.4' GL.

Operator plans to drill this well in accordance with the attached EXHIBITS. listing of EXHIBITS is also attached.

PROPOSED CASING AND CEMENTING PROGRAM

WEIGHT PER FOOT

SETTING DEPTH

CONFIDENTIAL

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide 0il & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application. ORIGINAL: Bureau of Land Management (Vernal, UT) COPY: Utah Division of Oil, Gas and Mining IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. Regulatory Dahld OF OIL, GAS & MINING September 25, 1996 mas Fnvironmental Specialist Robbie Schuman

(This space for Federal or State office use)

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

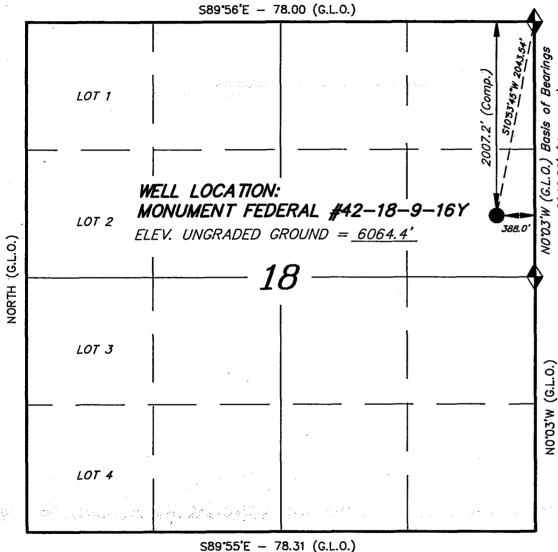
geogethic control of the

SIZE OF CASING

See Drilling Program/Casling Design

*See Instructions On Reverse Side

T9S, R16E, S.L.B.&M.



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT FEDERAL #42-18-9-16Y, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 18, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD THE SAME ARE ARE MY KNOWLEDGE

38 WEST 100 NORTH - VERNAL, UTAH 84078 (801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: G.S. S.S.
DATE: 9-7-96	WEATHER: HOT
NOTES:	FILE #

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/30/96 API NO. ASSIGNED: 43-013-31724 WELL NAME: MONUMENT BUTTE 42-18-9-16Y OPERATOR: EQUITABLE RESOURCES (N9890) INSPECT LOCATION BY: / / PROPOSED LOCATION: SENE 18 - T09S - R16E SURFACE: 2007-FNL-0388-FEL TECH REVIEW Initials Date BOTTOM: 2007-FNL-0388-FEL DUCHESNE COUNTY Engineering MONUMENT BUTTE FIELD (105) Geology LEASE TYPE: FED Surface LEASE NUMBER: UTU - 74390 PROPOSED PRODUCING FORMATION: GRRV RECEIVED AND/OR REVIEWED: LOCATION AND SITING: R649-2-3. Unit: Plat Bond: Federal[] State[] Fee[] (Number R649-3-2. General. Potash $(Y\overline{/N})$ Oil shale (Y/N)
Water permit __ R649-3-3. Exception. (Number Drilling Unit. RDCC Review (Y/N) Board Cause no: (Date: Date: COMMENTS: STIPULATIONS:

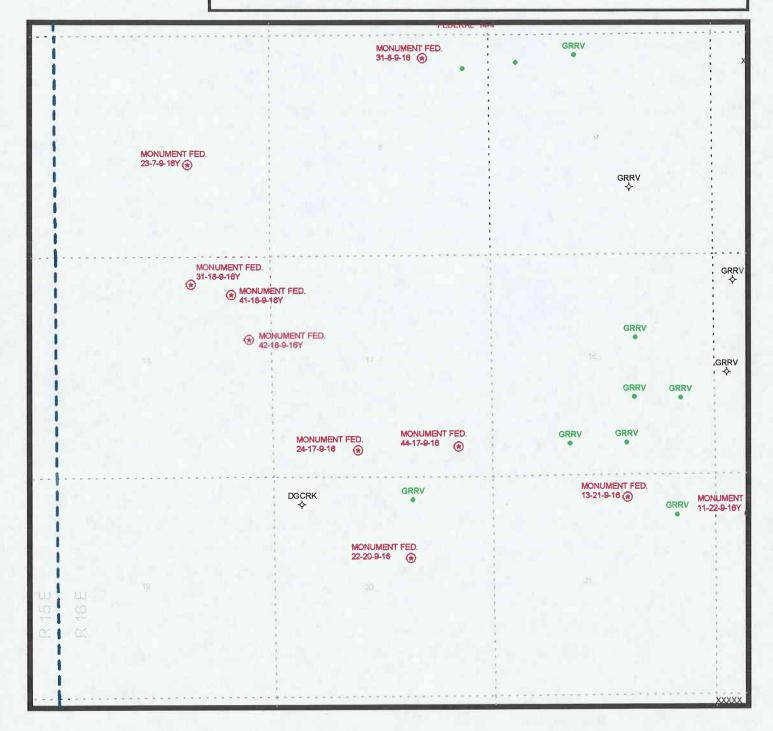
OPERATOR: EQUITABLE RESOURCES

FIELD: MONUMENT BUTTE (105)

SECTION: 18 & 21 T9S R16E

COUNTY: DUCHESNE

SPACING: UAC R649-3-2



PREPARED:

DATE: 30-SEPT-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: EQUITABLE RESOURCES | Well Name: MON BUTTE 42-18-9-16

Project ID: 43-013-31724 | Location: SEC. 18 - T9S - R16E

Design Parameters:	Ξ	esign Factors:			
Mud weight (8.90 ppg) : 0.462	psi/ft	Collapse	:	1.125	
Shut in surface pressure : 2367	psi	Burst	:	1.00	
Internal gradient (burst) : 0.061	psi/ft	8 Round	:	1.80	(J)
Annular gradient (burst) : 0.000	psi/ft	Buttress	:	1.60	(J)
Tensile load is determined using air	weight	Other	:	1.50	(J)
Service rating is "Sweet"		Body Yield	:	1.50	(B)

	Length (feet)	Size (in.)	Weight (lb/ft)		e Joii		Depth (feet)	Drift (in.)	Cost
1	5,900	5.500	15.50	K-5	5 ST&0	C	5,900	4.825	
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)		Load (kips)		S.F.
1	2728	4040	1.481	2728	4810	1.76	91.45	222	2.43 J

Prepared by : MATTHEWS, Salt Lake City, Utah

Date

: 12-03-1996

Remarks

:

GREEN RIVER

Minimum segment length for the 5,900 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas

temperature of 115°F (Surface 74°F , BHT 157°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are $0.462~\mathrm{psi/ft}$ and

2,728 psi, respectively.

NOTE:

The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1987 pricing model. (Version 1.07)



1601 Lawls Avenue Billings, MT 59102 Office: (400) 259-7960 FAX: (406) 245-1965 FAX: (406) 245-1961 Q

October 22, 1996

State of Utah Division of Oil, Gas and Mining 1594 West North Temple Suite 1210 Salt Lake City, UT 84114-5801

Gentlemen:

RE:

Monument Federal #42-18-9-16Y

43-013-31724

SE NE Section 18, T9S, R16E Duchesne County, Utah

As Operator we hereby request an exception to location for this proposed wellsite. The site was moved at the request of the Bureau of Land Management because of the topography in the area. Our geologist concurred with the move.

Also, please note that the correct footages for this well are 2007' FN, FEL. Please make that change to your copy of sheet. Incorrect footages were inadvertently entered by the Operator.

If you have any questions, please do not hesitate to give me a call at (406) 259-7860.

Sincerely,

Bobbie Schuman Regulatory and

Environmental Specialist

/hs

cc: Bureau of Land Management (Vernal, UT)

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

Date

5.00

DEPARTMENT	(1 OF THE INTERIOR	Expires. Water 51, 1775
	LAND MANAGEMENT	Seese designation and Serial No. ing
Do not use this form for proposals to dr	AND REPORTS ON WELLS ill or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
SUBMIT	IN TRIPLICATE	7) d'unit or CA, Agreement Designation
Type of Well Oil Gas Well Well Other		*See attached listing
2. Name of Operator Equitable Resources Energy C	Company	9. API Well No.
3. Address and Telephone No. 1601 Lewis Avenue; Billings, 4. Location of Well (Footage, Sec., T., R., M., or Survey D	MT 59102 (406) 259-7860	10. Field and Pool, or Exploratory Area Monument Butte/Grn River
See attached lis		11. County or Parish, State See attached listing
2. CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Paleontology Repor	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
give subsurface locations and measured and true vert Attached are te paleontolog	, Gas and Mining OCT OCT	wellsites, access
	DIA OF OIL	, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Title

Approved by Conditions of approval, if any:

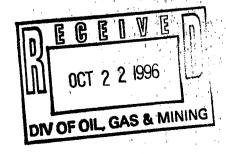
EQUITABLE RESOURCES ENERGY CO. MONUMENT FEDERAL #42-18-9-16Y 43-0/3-3/724 SE/NE SECTION 18, T9S, R16E, SLB&M Duchesne County, Utah

PALEONTOLOGY REPORT WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN PALEONTOLOGIST P.O. BOX 731 VERNAL, UTAH 84078

OCTOBER 15, 1996



RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCES ENERGY CO. MONUMENT FEDERAL #42-18-9-16, SE/NE Section 18, T9S, R16E, S.L.B.&M, Duchesne Co., Utah.

Description of Geology and Topography-

This well location is 11 miles south and 5 miles west of Myton, Utah, on top of the bench east of Wells Draw. There is no access road as the well location sits on an existing road. The well location is right of the edge of the bench and the west side is a bit over the side of the bench. The east side of the wellpad has a cover of rock fragments and sand. The west side has rock outcrops of sandstone and limestone.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

No fossils were found on the well location. One turtle site was found on a small point west of the well location, but this is out of the construction area.

Recommendations-

There is always some potential for encountering significant fossils when working in the Uinta Formation. If important looking fossil material is found during construction, a paleontologist should be called to evaluate it.

No other recommendations are being made for paleontology at this location.

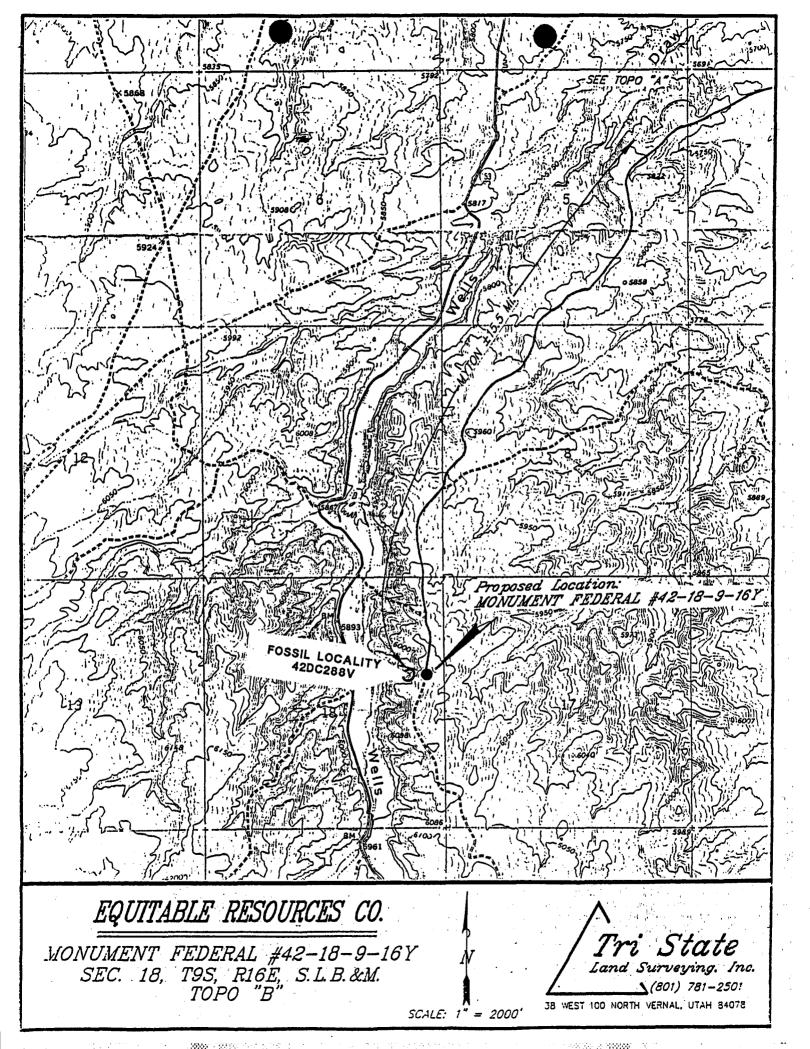
Paleontologist

Date October 15, 1996

United States Department of the Interior Bureau of Land Management

Paleontological Locality Form

1. P	ermit #/Permittee: BLM - UT-S-95-004	ALDEN H. HAMBLIN
2. R	epository/Accn.#: UTAH FIELD HOUSE OF	NATURAL HISTORY
3. L	ocality #: 42DC288V [] Plant [X]	Vertebrate [] Invertebrate [] Other
4. F	ormation (and subdivision, if known):	Uinta Formation, lower Member
5. A	ge: <u>Late Eocene</u>	6. County: <u>Duchesne</u>
7. BI	LM District: <u>VERNAL</u>	8. Resource Area: Diamond Mt.
9. Ma	ap name: Myton SW, Utah	10. Map source: <u>U.S.G.S. 7 1/2 min. Quad.</u>
11. Ma	ap scale: 1:24,000	12. Map edition: 1964
13. La	atitude (deg., min., sec., direction):_	
14. Lo	ongitude (deg., min., sec., direction):	
	r: UTM Grid Zone: 12 T	
15. St	urvey (Section, Township & Range): Near	center of SE of NE, Sec. 18, T9S, R16E, SLBM
where	not much has been found before.	und on a small point west of the well location, but this is out green layer above the wide spread red layer
17. Di	iscoverer(s)/Collector(s): Alden H. H.	amblin
18. Da	ate(s): October 12, 1996	
19. Lo	ocality Classification: Class 1 C (1 = Critical, 2 = Significant, 3 = Import	Lass 2 Class 3 X Class 4 Class 5 ant, 4 = Insignificant, 5 = Unimportant)
	emarks: This fossil site was found durances Energy Co. Monument Federal #42-18	ing the paleontology survey of Equatable 9-16Y.



CONFIDENTIAL

AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.

Equitable Resources Energy Company
Western Region
1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860
FAX: (406) 245-1361

EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM
- M GAS GATHERING PIPELINE ROW APPLICATION

9/25/96

PROPOSED DRILLING PROGRAM

Western Region
Monument Federal #42-18-9-16Y
NW NE Section 18, T9S, R16E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. <u>ESTIMATED IMPORTANT GEOLOGICAL MARKERS:</u>

See Geologic Prognosis (EXHIBIT "C")

2. <u>ESTIMATED DEPTHS OF ANTICIPATED OIL. GAS OR WATER:</u>

See Geologic Prognosis (EXHIBIT "C")

9000

- 3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:
 - a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
 - b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
 - c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
 - d. An upper kelly cock will be used during the drilling of this well.
 - e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
 - f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.

d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.
- c. When running 5-1/2" production casing we will install 5-1/2" pipe rams and are hereby requesting a variance on testing. We request not to test.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY MONUMENT FEDERAL #42-18-9-16Y SE NE SECTION 18, T9S, R16E DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 175' & 225' South and 175' & 225' East.
- B. The Monument Federal #42-18-9-16Y is located 10 miles Southwest of Myton Utah in the SE1/4 NE1/4 Section 18, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 42-18-9-16Y, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 6.3 miles to a road intersection, turn right and continue 7.6 miles to the proposed location which straddles the existing road.
- C. Access roads refer to Maps "A" and "B".
- D. Access roads within a one-mile radius refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B"

No new road construction will be required for access to the proposed well location.

A. Width - maximum 30-foot overall right-of-way with an 18foot road running surface, crowned & ditched and/or sloped and dipped. B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade Less than 8%
- D. Turnouts no turnouts will be required on this access road.
- E. Drainage design the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills none.
- G. Surface materials all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts none required.
- I. Road maintenance during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts

will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

- The proposed access road has been centerline flagged.
- If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- Α. Water wells - none known.
- C. Temporarily abandoned wells none known.
- Disposal wells none known.
- E. Drilling wells none known.
- F. Producing wells see Map "C".
- Shut-in wells none known.
- Η. Injection wells - none known.
- Monitoring wells none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

Α. Existing

- Tank batteries see Map "C".
- Production facilities see Map "C".
- Oil gathering lines none.
- 4. Gas gathering lines see Map "C".

New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout is included in this APD.
- Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having

a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

- 4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the

beginning of drilling operations.

B. No water well will be drilled on this location.

6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

7. Methods of Handling Waste Materials:

- A. Cuttings the cuttings will be deposited in the reserve pit.
- B. Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the East side of location. Access will be from the North between corner #2 and corner #3. Corner #6 will be rounded to avoid excessive cut.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching

device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

- Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
- 2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- 3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
- 4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

- 5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
- 6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 15 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

- On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
 - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at

Page (9)

the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management Vernal District Office Vernal, Utah

12. Other Information:

A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, fourwing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, rapters, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C. 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report will be forwarded upon completion.
 - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 - 5. A silt catchment dam will not be required for this location.

13. Lessee's or Operator's Representative:

Equitable Resources Energy Company 1601 Lewis Avenue P.O. Box 21017 Billings, Montana 59104 (8:00 a.m. to 5:00 p.m.) (406)259-7860 FAX: (406)245-1361

Dave McCoskery,

Home (406)248-3864

Dale Griffin,

Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

September 27, 1996

Bobbie Schuman

Coordinator of Environmental and Regulatory Affairs Equitable Resources Energy Co.





Well Prognosis

Well Name	Monumen	t Fed. #42-18-	-9-16Y			Control Well
Location	SE/NE Sec	c. 6-T9S-R16E	(2007 fnl, 38	8 fel)		Operator EREC
County/State	Duchesne	County, Utah	L			Well Name Monument Federal 41-18Y
Field	Mon. Butte	2	Well Type	e Dev.		Location NE/NE Sec. 18-T9S-R16E
GL (Ung)	6064.4	EST. KB	6075	Total Depth	5900	KB 6029
_						

Formation Tops	Pr	ognosis	Sample	Тор	Control Well]	High/Low	
Formation	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface						00110101	Deviation
GREEN RIVER	1691	4384			4334	·		
HORSEBENCH SS	2275	3800			3750			
2ND GARDEN GULCH	3944	2131			2081			
Y-2(PAY)	4246	1829			1779			
Y-3 (PAY)	4278	1797			1747			
Y-4 (PAY)_	4434	1641			1591			
Y-5 (PAY)	4469	1606		-	1556			
YELLOW MARKER	4569	1506			1456	****		
DOUGLAS CREEK	4713	1362			1312			
R-1 (PAY)	4731	1344			1294			
2ND DOUGLAS CREEK	4942	1133			1083			
G-1U (PAY)	4955	1120			1070			
GREEN MARKER	5070	1005			955		-	
G-5 (PAY)	5239	836			786	*		
CARBONATE MARKER	5626	449			399			
B-1 (PAY)	5680	395			345			
TD	5900							
Samples	Ι	OST,s			Wellsite Geol	ogist		
50' FROM 1600' TO 4000'		DST #1	NONE		Name:			
20' FROM 4000' TO TD		DST #2			From:		To:	
5' THROUGH EXPECTED	PAY	DST #3			- Address:		10.	
5' THROUGH DRILLING		DST #4						
	-				Phone#			wk.
Logs	C	Cores				***		hm,
DLL FROM SURF CSNG T	OTD	Core #1			Fax # -		*	
LDT/CNL FROM 3900' TO		Core #2		· · · · · ·	_		······································	
		Core #3			– Mud Logger			
		Core #4			Company:			
		20101			From: 10	500'	To:	TI
		.			Type: 2-		10;	10
Comments:					· · · · · · · · · · · · · · · · · · ·	IVIAIN		
Continents.					Logger:			
					Phone #			
					Fax#			
Depart Tot 1st Nome:	DAVE BIOT	EDCT A PP	Dh # ///) () () () () () () () () () () () () ()		0.00.00.00		
· -	DAVE BICK		Phone # (40			06)245-22		hm.
2nd Name: KEVEN REINSCHMIDT			Phone # (40	06)259-7860	wk. (406)248-7026 wk.			hm.
Prepared By: BICKERST			Phone #		<u> </u>			





DRILLING PROGRAM

WELL NAME: Monument Federal #42-18-9-16Y

DATE:9-26-96

PROSPECT/FIELD: Monument Butte

LOCATION: SE/NE Section 18 Twn.9S Rge.16E

COUNTY: Duchesne

STATE: Utah

TOTAL DEPTH: 5900'

HOLE SIZE INTERVAL

12 1/4" Surface to 260' 7 7/8" 260' to 5900'

CASING	INTERVAL	CASING	
STRING TYPE	FROM TO	STZE WET	сит сра

STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0 '	260'	8 5/8"	24	J55
Production Casing	0'	5900'	5 1/2"	15.50	K55

CEMENT PROGRAM

CEMENT PROGRAM	
Surface Casing	150 sacks class"G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production Casing	205 sacks 28:72 Poz. (28% POZ: 72% Class"C") with 10% Gel, 6.0 lbs/sk KOL SEAL & ½ pps Cello Flake.(Wt.=11.09 ppg,Yd =3.30 Cu.Ft/Sk Comp. Stght @ 72 Hrs=575) Tailed with 400 sacks 50:50 POZ(50% POZ: 50% Class"G") with 2% Gel, 0.3% FL-52, ½ pps Cello Flakes & 2.0 pps KOL SEAL.(Wt.=14.30 ppg, Yd=1.25 Ft.Cu./Sk, Comp Strght @ 75 Hrs=2700) (Actual cement volumes to be calculated from

PRELIMINARY DRILLING FLUID PROGRAM

				PLAS.	YIELD
TYPE	FROM	TO	WEIGHT	VIS	POINT
Air and Air Mist	0 '	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

caliper log with cement top at 2000')

COMMENTS

******* AND IN THE PER A THE TOTAL OF A SECURITION MUNICIPAL TO

^{1.)} No cores or tests are planned for this well.



EQUITABLE RESOURCES ENERGY COMPANY

Operator: EREC Well Name: MF 42-18-9-16Y Project ID: Location: Duchesne / Utah

<u>Design Parameters:</u> Design Factors:

Mud weight (8.70 ppg) : 0.452 psi/ft Collapse : 1.125 Shut in surface pressure : 2076 psi Burst : 1.00 Internal gradient (burst) : 0.100 psi/ft 8 Round : 1.80 (J) Annular gradient (burst) : 0.000 psi/ft **Buttress** : 1.60 (J) Tensile load is determined using air weight Body Yield : 1.50 (B)

Service rating is "Sweet"

	Length (feet)	Size (in.)	Weight (lb/ft)		e Join		Depth (feet)	Drift (in.)	Cost
1	5,900	5-1/2"	15.50	K-5!	5 ST&C	3	5,900	4.825	
	Load (psi)	Collapse Strgth (psi)		Burst Load (psi)	Min Int Strgth (psi)		Load (kips)	_	S.F.
1	2666	4040	1.515	2666	4810	1.80	91.45	5 222	2.43 J

Prepared by : McCoskery, Billings, Montana

Date

09-26-1996

Remarks

Design is for a Production string.

Minimum segment length for the 5,900 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.452 psi/ft and

2,666 psi, respectively.

NOTE:

The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1987 pricing model. (Version 1.07)

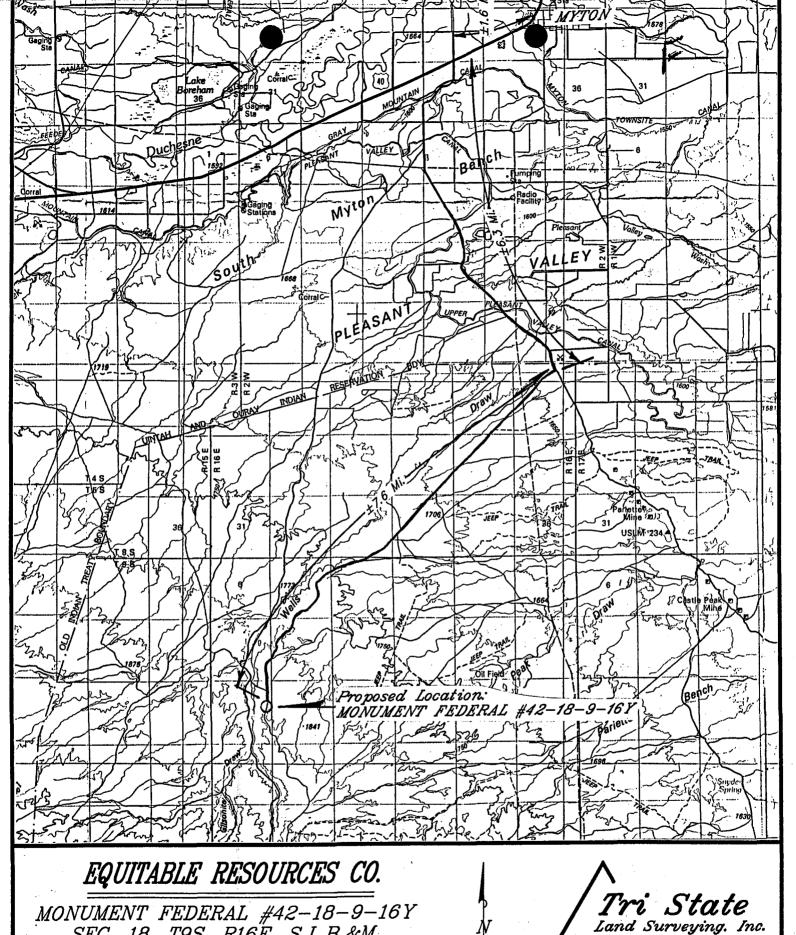
A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

B. Extremely hazardous substances threshold quantities which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

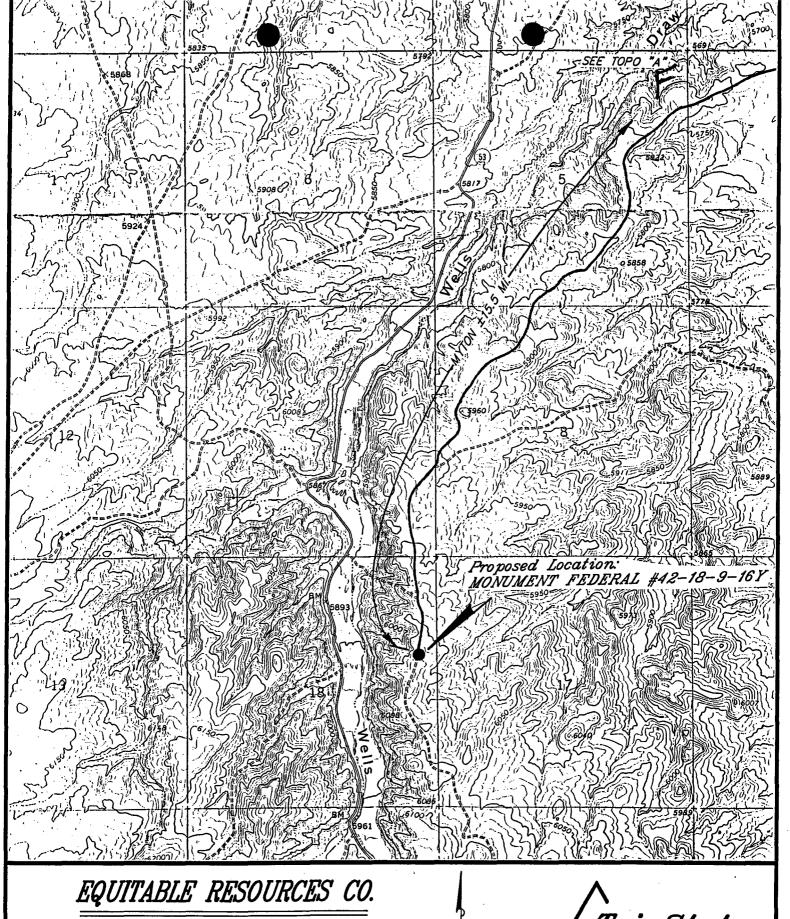
3/28/95 /rs



SEC. 18, T9S, R16E, S.L.B.&M. TOPO "A"

\((801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



MONUMENT FEDERAL #42-18-9-16Y SEC. 18, T9S, R16E, S. L. B. &M. TOPO "B"

SCALE: 1" = 2000'

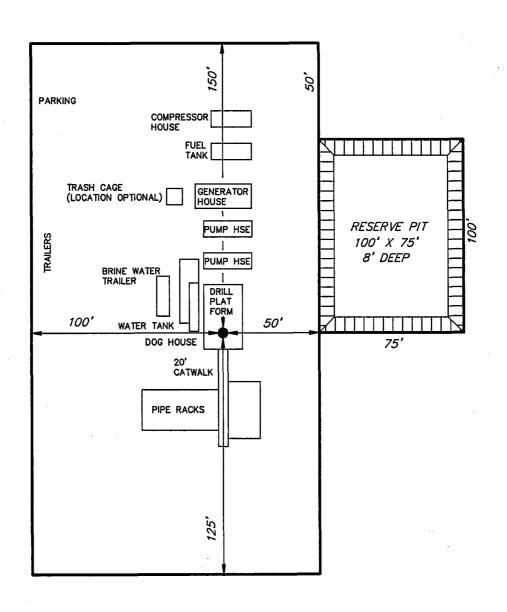
Tri State
Land Surveying. Inc.
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

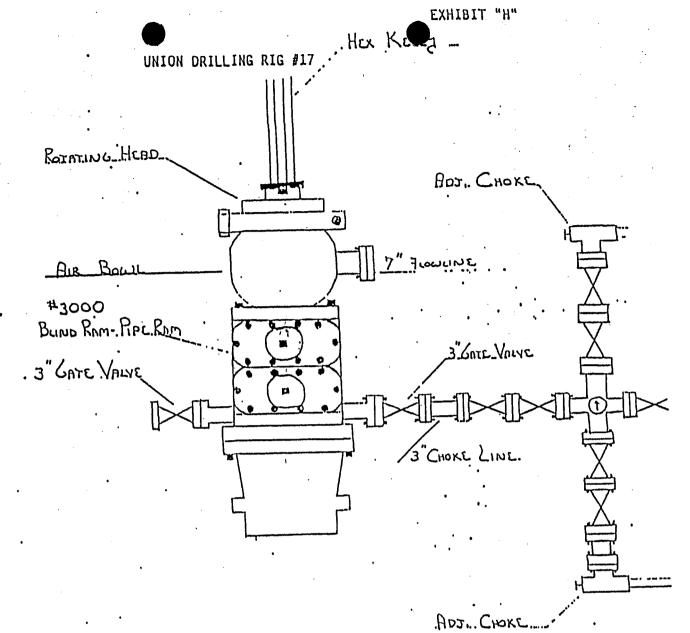
G

TYPICAL RIG LAYOUT

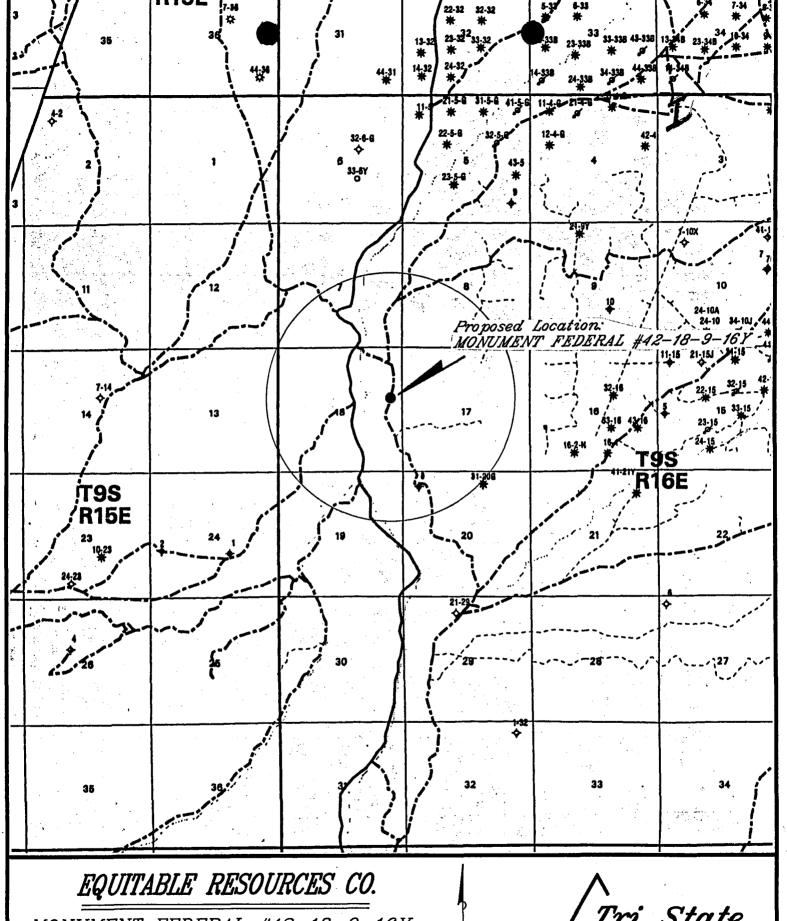
MONUMENT FEDERAL #42-18-9-16Y





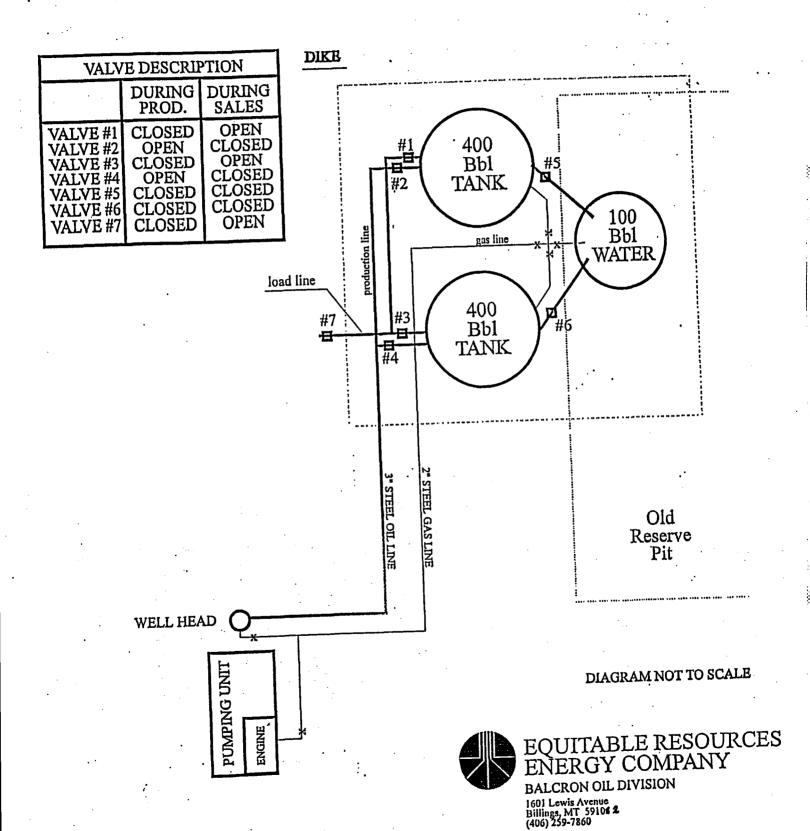


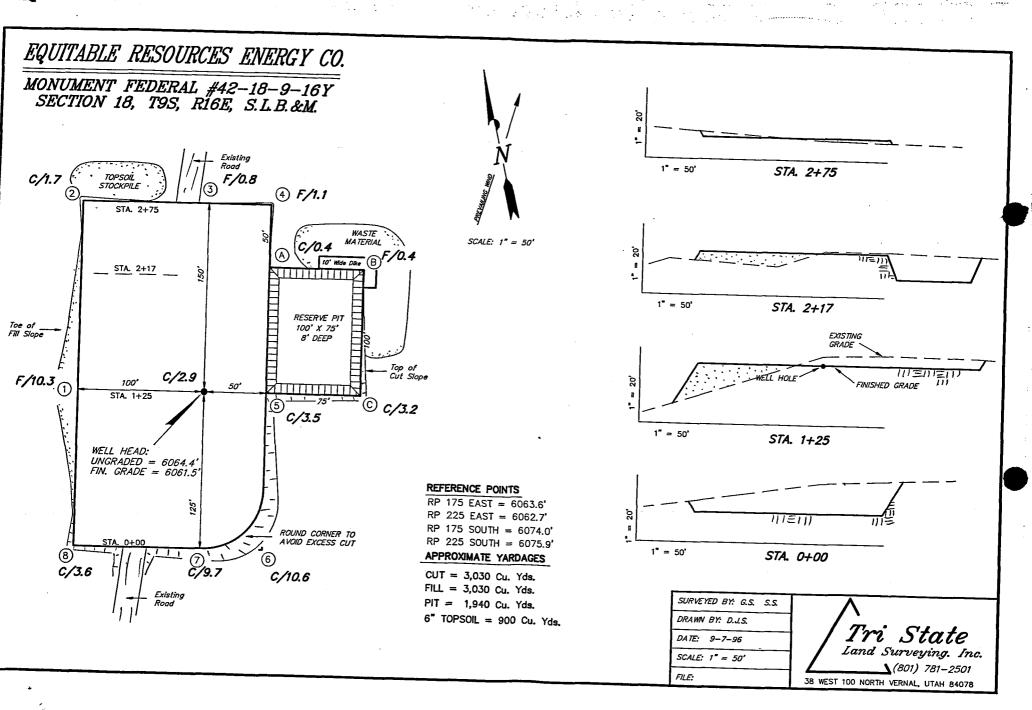
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MONUMENT FEDERAL #42-18-9-16Y SEC. 18, T9S, R16E, S.L.B.&M. TOPO "C" Tri State
Land Surveying. Inc.
\$\int_{(801)}\$ 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



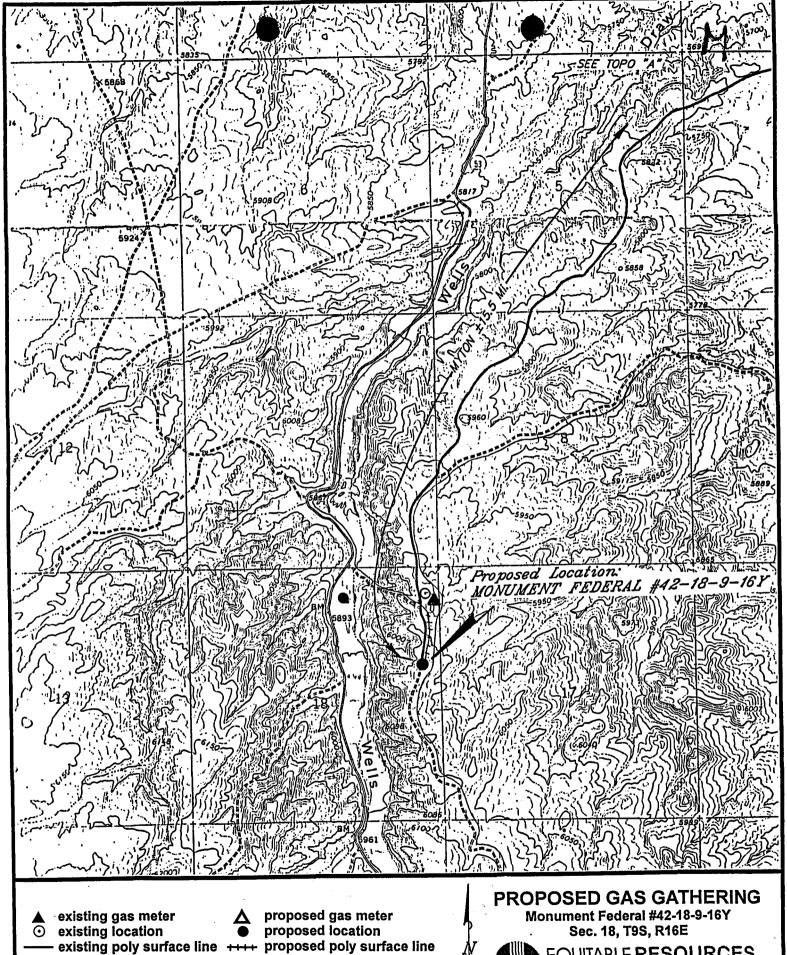


APPLICATION FOR PIPELINE RIGHT-OF-WAY

Please consider this Application for Permit to Drill also as an application for the pipeline (gas gathering system) Right-of-way for this prospective well. See Map EXHIBIT "M" for the pipeline route. This will be a 2" surface line.

Please advise of the costs associated with this Right-of-Way and a check will be forthcoming.

Route will follow existing roads where possible. Operator requests a 30' width for the Right-of-Way with an additional 30' width for working surface as necessary.



- existing road

--- proposed road



EQUITABLE RESOURCES ENERGY COMPANY WESTERN REGION

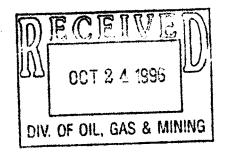
SCALE: 1" = 2000'



WESTERN REGION

1601 Lewis Avenue Billings, MT 59102

October 22, 1996



Office: (406) 259-7860 FAX: (406) 245-1365 FAX: (406) 245-1361 Z

State of Utah Division of Oil, Gas and Mining 1594 West North Temple Suite 1210 Salt Lake City, UT 84114-5801

Gentlemen:

RE:

Monument Federal #42-18-9-16Y SE NE Section 18, T9S, R16E

<u>Duchesne County, Utah</u>

As Operator we hereby request an exception to location for this proposed wellsite. The site was moved at the request of the Bureau of Land Management because of the topography in the area. Our geologist concurred with the move.

Also, please note that the correct footages for this well are 2007' FNL604' FEL. Please make that change to your copy of sheet. Incorrect footages were inadvertently entered by the Operator.

If you have any questions, please do not hesitate to give me a call at (406) 259-7860.

Sincerely,

Bobbie Schuman Regulatory and

Environmental Specialist

/hs

cc:

Bureau of Land Management (Vernal, UT)

Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter Division Director

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340 801-359-3940 (Fax) 801-538-5319 (TDD)

December 3, 1996

Equitable Resources Energy Company 1601 Lewis Avenue Billings, Montana 59102

Re: Monument Federal 42-18-9-16Y Well, 2007' FNL, 388' FEL, SE NE, Sec. 18, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31724.

Sincerely,

Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office



Operator:	Equitable Resources Energy Company	
Well Name & Number: _	Monument Federal 42-18-9-16Y	
API Number:	43-013-31724	
Lease:	UTU-74390	
Location: SE NE	Sec. 18 T. 9 S. R. 16 E	

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Form 3160-3 (November 1983) (formerly 9-331C)

DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE* (Other instructions on

Form approved.
Budget Bureau No. 1004-0136

Leaelse	Expires Augus	t 31,	1985	,
CONFIDENTIF	UTU-74390	N AND	SERIAL	NO

•	BUREAU OF	LAND MANA	GEMEN			1 010-74390
APPLICATION	N FOR PERMIT T	O DRILL, I	DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEB OR TRIBE NAME
A. TYPE OF WORK	ILL 🛛	DEEPEN	_	PLUG BAC		7. UNIT AGREEMENT NAME
b. TYPE OF WELL OIL [T] 9	AS []			NGLE MULTIP	-	N/A 8. FARM OR LEASE NAME
	TELL OTHER			ONE ZONE		 Monument Federal
	Resources Energ	v Company				9. WELL NO.
ADDRESS OF OPERATOR	Resources Eller	95 00				#42-18-9-16Y
	s Avenue; Billi	ngs, MT 591	102 (406) 259-7860		10. FIELD AND POOL, OR WILDCAT
LOCATION OF WELL (B	eport location clearly and	in accordance wi	th any 8	state requirements.*)		Monument Butte/Green Riv
At surface SE N At proposed prod. sor	E Section 18, T9	S, R16E		.980' FNL, 500' ! °°7' 388'	FEL	11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA
ZI Dioposia pioai asi	•			384		Sec. 18, T9S, R16E
DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFIC	E.		12. COUNTY OR PARISH 13. STATE
From My	ton. Utah appro	ximately 16	MiSh	<u> </u>		Duchesne UTAH
D. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE I (Also to nearest dr)	USED" I LINE, FT.		18. NO). OP ACRES IN LEASE		DF ACRES ASSIGNED HIS WELL
DISTANCE FROM PROI	OSED LOCATION®		19. Pi	OPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS
OR APPLIED FOR, ON TH	RILLING, COMPLETED, 18 LEASE, FT.		5,	900'	į Ro	tary
GL 6064	ether DF, RT, GR, etc.)				<u>-</u>	22. APPROX. DATE WORK WILL START
	P	ROPOSED CASI	NG ANI	CEMENTING PROGRA	M	
BIZE OF HOLE	BIZE OF CABING	WEIGHT PER P	00T	SETTING DEPTH		QUANTITY OF CEMENT
						
See Dril	ing Program/Cas	<u>ing Design</u>				
listing	of EXHIBITS is a	lso attach	ed.			SEP 3 0 1996
operations asso being provided surety under BL with all of the ORIGINAL: Bure COPY: Utah Div	ciated with the appl by Equitable Resource M Bond No. MT 0576 (terms and condition au of Land Management rision of Oil, Gas and PROFORED PROGRAM: If I drill or deepen directions	rication. Bor ces Energy Cor (Nationwide Or ns of that por nt (Vernal, U nd Mining	nd covered to the cov	erage pursuant to 4. as principal and Satas Bond #5547188) whof the lease associately back, give data on propagations and gulatory and	feco Insub will atted with	rest owner, to conduct these D4 for lease activities is urance Company of America as be responsible for compliance the this application. Incutive some and proposed new productive d and true vertical depths. Give blowou
	L Afumar uman ral or State office use)			nvironmental Specia	list	DATE September 25, 1996
	1	_	_	APPROVAL DATE		
APPROVED BY	IB Cours	- TI	rle	Assistant Field Mana Mineral Resource	3gei	DEC 0 4 1996
CONTINUE OF STREET		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er a the	March 1925 Comments		TICE OF APPROVAL

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COAs Page 1 of 8 Well No.: Monument Fed. 42-18-9-16Y

CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator:	Equitable Resources Energy Company	
-------------------	------------------------------------	--

Well Name & Number: <u>Equitable Monument Federal 42-18-9-16Y</u>

API Number: _____43-013-7172\$ 4

Lease Number: <u>U - 74390</u>

Location: SENE Sec. 18 T. 9S R. 16E

NOTIFICATION REQUIREMENTS

at least forty-eight (48) hours prior to construction of **Location Construction**

location and access roads.

prior to moving on the drilling rig. **Location Completion**

at least twenty-four (24) hours prior to spudding the well. Spud Notice

at least twenty-four (24) hours prior to running casing and Casing String and cementing all casing strings.

Cementing

at least twenty-four (24) hours prior to initiating pressure **BOP** and Related tests. **Equipment Tests**

within five (5) business days after new well begins, or First Production production resumes after well has been off production for Notice

more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

COAs Page 2 of <u>8</u>

Well No.: Monument Fed. 42-18-9-16Y

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. <u>Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered</u>

Report <u>ALL</u> water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed ccpies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal Field Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

COAs Page 3 of <u>8</u>
Well No.: Monument Fed. 42-18-9-16Y

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 1,909 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal Field Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. <u>Mud Program and Circulating Medium</u>

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5 .Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to \pm 1709 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

COAs Page 4 of <u>8</u>
Well No.: Monument Fed. 42-18-9-16Y

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal Field Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

<u>Immediate Report</u>: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

COAs Page 5 of <u>8</u>
Well No.: Monument Fed. 42-18-9-16Y

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

COAs Page 6 of <u>8</u>
Well No.: Monument Fed. 42-18-9-16Y

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077 Petroleum Engineer

Wayne P. Bankert (801) 789-4170 Petroleum Engineer

Jerry Kenczka (801) 789-1190 Petroleum Engineer

BLM FAX Machine (801) 781-4410

COAs Page 7 of <u>8</u>
Well No.: Monument Fed. 42-18-9-16Y

While the following wastes are nonexempt, they are not necessarily hazardous.

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids

COAs Page 8 of 8

Well No.: Monument Fed. 42-18-9-16Y

SURFACE USE PROGRAM

METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Plans For Reclamation Of Location

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep. If this is a producing well and after the reclamation of the reserve pit, and unused disturbed areas, contact the authorized office to obtain a seed mixture to revegetate these specific areas.

At time of final abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts**, **fills**, **road berms**, **and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area any stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the authorized officer of the BLM. Contact the authorized officer of the BLM at the time of reclamation for the required seed mixture.

Other Information

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

Raptor Habitat

lif this is a producing well the operator is required to install a multicylinder engine to the pumping unit.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: <u>EQUITABLE RESOURCES</u>
Well Name: MONUMENT FEDERAL 42-18-9-16Y
Api No. 43-013-31724
Section: 18 Township: 9S Range: 16E County: DUCHESNE
Drilling Contractor UNION
Rig # <u>17</u>
SPUDDED:
Date_3/10/97
Time
How_ROTARY
Drilling will commence
Reported by D. INGRAM
Telephone #
Date: 3/18/97 Signed: JLT

Form 3160-5 (June 1990)

TED STATES

DEPARTM	ENT OF	THE INTERIOR
BUREAU O	F LAND	MANAGEMENT

	FORM APPROVED
	Budget Bureau No. 1004-013
	Expires: March 31, 1993
÷	D. J. Warner J. Charlest Ma-

	Publica.	11441011	21,177	
5. Lease	Designat	ion and	Serial	No

utiu_	_74390°	anu	Scriai	110

_ •	· ·	1 010_74390
SUNDRY NOTICES A Do not use this form for proposals to dril Use "APPLICATION FOR	11/ 5	
SUBMIT	7. If Unit or CA, Agreement Designation n/a	
I. Type of Well Oil Well Other	,	8. Well Name and No#42-18-9-16Y
2. Name of Operator Equitable Resources E	nergy Company	9. 430913 ^{No} 71724
3. Address and Telephone No. 1601 Lewis Avenue; Bi	llings, MT 59102 (406) 259-7860	10. Field and Pool or Exploratory Very
4. Location of Well (Footage, Sec., T., R., M., or Survey De SE NE Sec. 18, TS	scription) S, R 15 E 2007' FNL, 328 ' FEL 16E 388	11. County or Parish, State
		Duchesne County, Utah
2. CHECK APPROPRIATE BOX() TO INDICATE NATURE OF NOTICE, RE	EPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF AC	·
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Spud	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) of starting any proposed work. If well is directionally drilled
	and Management (Vernal, UT) of Oil, Gas and Mining	CELLIVE NESS 28 1997 NOS CH., CAS & B.
	Regulatory and	

Signed Schurau Signed Schurau Signed Schurau	Regulatory and Title Environmental Specialist	Dail March 11, 1997
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUNDRY NOTICES AND REPORTS ON WELLS

BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.

FORM APPROVED

U-74390

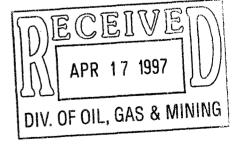
6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to dr Use "APPLICATION FO	n/a	
·	IN TRIPLICATE	7. If Unit or CA, Agreement Designation N/a
1. Type of Well X Oil	8. Well Name and No. Mon.Fed. #42-18-9-16Y 9. API Well No. 43-013-31724 10. Field and Pool, or Exploratory Area 11. County or Parish, State Duchesne Co., Utah	
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other 1st production	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
 Describe Proposed or Completed Operations (Clearly state al give subsurface locations and measured and true vertice 	l pertinent details, and give pertinent dates, including estimated date of starting ald epths for all markers and zones pertinent to this work.)*	g any proposed work. If well is directionally drilled

This well started pumping on 4/10/97.



Bureau of Land Management (Vernal, UT) COPY: State of Utah; Division of Oil, Gas and Mining



14. I hereby certify that the foregoing it true and correct Signed Soul Schuman	Regulatory and Title Environmental Specialist	Date April 11, 1997
(This space for Federal of State Office use) Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Michael O. Leavitt

Executive Director

James W. Carter Division Director

Governor

Ted Stewart

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Who looped this well-

Schlumberger

April 18, 1997

Ms. Molly Conrad Equitable Resources Energy Company 1601 Lewis Avenue Billings, Montana 59102 logged -3-17-97 Fernando/2018.

Re: Monument Federal #42-18-9-16Y, APT No. 43-013-31724 Submittal of Electric and Radioactivity Logs

Dear Ms. Conrad:

We have received the Mud Log and Cement Bond Log for the above referenced well. The Well Completion Report indicates that **DLL, CNL/LDT** logs were also run. Please submit a copy of these logs to our office as soon as possible.

Your help in this matter will be greatly appreciated. If you have questions regarding this request, please contact me at (801) 538-5279.

Sincerely,

Vicky Dyson

Production Group Supervisor

cc: D. T. Staley
Log File

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES Do not use this form for proposals to dr	LAND MANAGEMENT AND REPORTS ON WELLS ill or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	5. Lease Designation and Serial No. UTU-74390 6. If Indian, Allottee or Tribe Name n/a
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Solit Gas Well Well Other 2. Name of Operator		n/a 8. Well Name and No.
Equitable Resources Energy C	ompany	Monument Fed. #42-18-9-161
3. Address and Telephone No. 1601 Lewis Avenue, Billings, 4. Location of Well (Footage, Sec., T., R., M., or Survey De SE NE Section 18, T9S, R16E 2007' FNL & 388' FEL		43-013-31724 10. Field and Pool, or Exploratory Area M. Butte/Green River 11. County or Parish, State Duchesne County, utah
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Onshore Order #7	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
Any water produced by this we commercial disposal facility produced water disposal facility produced water disposal facility A copy of the state-issued polarid Management. If for some facility, the produced water	lerinent details, and give pertinent dates, including estimated date of startinal depths for all markers and zones pertinent to this work.)* ell will be held in a produced water. The primary facility to be used is lity located in Section 9, T2S, R2W is ermit for that facility is on file at e reason the operator is unable to us will be trucked to another state-app has received approved Right-of-Way ac eau of Land Management.	tank and trucked to a sthe R.N. Industries in Duchesne County, UT. the Vernal Bureau of se this primary disposal proved disposal facility.

I hereby certify that the foregoing is true and correct Signed College	Title Operations Technician	Date5-7-97
(This space for Federal of State office use)		
Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH	
IVISION OF OIL, GAS AND MINING	गान्याना
	

			DIVISION OF OIL, GAS AND	MINING	MEG
		REPORT C	F WATER ENCOUNTERE		4007
1. Well name	and number:	Monument	Federal #42-18-9-16Y	MAY 12	1997
	r:			DIV. OF OIL, GA	S & MINII
			18 Township 9S Range _	16Ecounty Duchesne	
			rces Energy Company		
Address:	1601	Lewis Aver	nue		
	Billi	ngs MT 59	2102	Phone: _(406) 259-786	50
1. Drilling cont	tractor: <u>Union</u>	Drilling			
Address:	Drawe	r 40			
	Buckh	annon, WV	26201	Phone: (304) 472-46	10
5. Water encou	untered (attact	n additional p	pages as needed):	- -	
. [DEP	TH ·	VOLUME	QUALITY	7
	FROM	то	(FLOW RATE OR HEAD)	(FRESH OR SALTY)	
-			No measurable water en	countered	
. -			during drilling operat	ions.	
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_	re: Molly C	10	complete to the best of my knowledge to the best of the best o		

Form 3160-5 (June 1990)

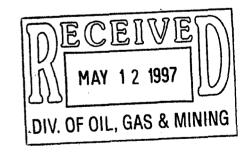
or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

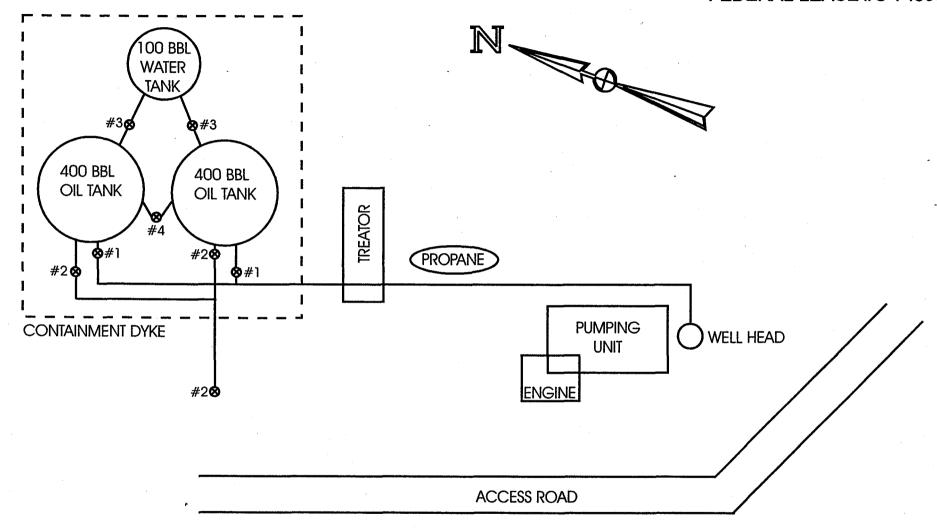
	F			,	
Lease	Des	ignatio	n and	Serial	No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir Use "APPLICATION FOR PERMIT—" for such proposals	
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation n/a
1. Type of Well Oil Gas Well Well Other	8. Well Name and No. Monument Fed. #42-18-9-1
2. Name of Operator Equitable Resources Energy Company 3. Address and Telephone No.	9. API Well No. 43-013-31724
1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE NE Section 18, T9S, R16E 2007' FNL & 388' FEL	10. Field and Pool, or Exploratory Area M. Butte/Green River 11. County or Parish, State Duchesne County, Utah
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTIO	N
Notice of Intent Abandonment Recompletion	Change of Plans New Construction New Resolution
Subsequent Report Plugging Back Casing Repair Altering Casing Other Site Security Diagr	Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well



Operations Technician	5-7-97 Date
Title	Date
	Title

MONUMENT FEDERAL 42-18-9-16Y NE NE SEC. 18, T9S, R16E DUCHESNE COUNTY, UTAH FEDERAL LEASE #U-74390



VALV	PTION	
	DURING PROD.	DURING SALES
VALVE #1 VALVE #2 VALVE #3 VALVE #4	OPEN CLOSED CLOSED OPEN	CLOSED OPEN CLOSED CLOSED



Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

2007' FNL, 388' FEL

PTD: 5900' Formation: Green River

Monument Butte Prospect API #43-013-31724 (12-3-96)

Elevations: GL 6064.4'
Contractor: Union Drilling

Operator: EREC/Western Region

Spud:

03/10/97

Casing:

8-5/8" @ 261.20' KB

5-1/2" @ 5869.24' KB

Tubing:

2-7/8" @ 5363.56'

03/11/97

TD: 280' (280') Day 1

Present Operation: Cementing 8-5/8" Casing

MIRU, drilled & set rathole and conductor. NU drilled 12-1/4" hole to 280' w/air and foam. Cleaned hole, TOOH, ND. Ran 250' (6 jts) 8-5/8" csg, set @ 260'.

Waited on cement trucks. Presently cementing csg. More details to follow. DC: \$5,040 CC: \$5,040

03/12/97

TD: 863' (583') Day 2

Present Operation: Drill 7-7/8" hole Ran 8-5/8", J-55, 24# Csg as follows:

 Shoe
 .90'

 Shoe Joint
 42.40'

 Baffle Plate
 0.00'

 5 Joints Csg
 207.90'

 Total Casing Length
 251.20'

 Landing Joint
 10.00'

 Depth Landed
 261.20' KB

Cement csg w/160 sxs "G" + 2% CaCl₂ + 1/4 #/sx Cello Flake. WOC. NU, pressure

test. TIH, blow wtr & drill cement. Drill 583' of 7-7/8" hole, ran one survey.

DC: \$10,494

CC: \$15,534

03/13/97

TD: 2196' (1333') Day 3

Present Operation: Drilling 7-7/8" Hole

Drilled 1333' of 7-7/8" hole. Ran surveys: 1100' @ 3/4°; 1600' @ 3/4°; 2100' @ 1°.

DC: \$23,994

CC: \$39,528

03/14/97

TD: 3438' (1242') Day 4

Present Operation: Drilling 7-7/8" hole

Drill 1242' of 7-7/8" hole w/air & foam. Service rig and run 2 surveys: 2600' @ 2°

& 3100' @ 1-3/4°.

DC: \$22,356

CC: \$61,884

Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

03/15/97 TD: 4337' (899') Day 5

Present Operation: Drilling 7-7/8" hole

Drill 7-7/8" hole to 4033', TOOH, change over to fluid, TIH, circulate and wash to

bottom. Drill 304' of hole w/fluid. Drilled total of 899' of 7-7/8" hole.

DC: \$16,182

CC: \$78,066

03/16/97 TD: 5285' (948'(Day 6

Present Operation: Drilling 7-7/8" hole

Drilled 948' of 7-7/8" hole w/fluid, ran 2 surveys: 4533' - 2° & 5050' - 1-1/4°.

DC: \$17,064

CC: \$95,130

03/17/97 TD: 5900' (615') Day 7

Present Operation: Logging Well

Drill 615' of 7-7/8" hole, TD well @ 5900'. Circulate hole & TOOH, LD drill pipe &

drill collars. RU loggers.

DC: \$11,070

CC: \$106,200

03/18/97 TD: 5900' (0') Day 8

Present Operation: Shut down

Log well, run 5-1/2", J-55, 15.5# csg as follows:

 Shoe
 .90'

 Shoe Joint
 42.45'

 Float Collar
 1.10'

 138 Jts Csg
 5814.79'

 Total Csg Length
 5859.24'

 Landing Joint
 10.00'

 Depth Landed
 5869.24' KB

 PBTD
 5824.79' KB

Cement Csg w/Lead= 145 sxs Prem Lite Plus + 10% gel + 6#/sx BA-91 + .5% sod met + 2#/sx Kol seal = $\frac{1}{4}\#/\text{sx}$ Cello Flake. Tail = 375 sxs 50/50 poz + 2% gel + $\frac{1}{4}\#/\text{sx}$ Cello Flake + 2#/sx Kol seal. Plug down @ 1:00 PM, Release rig @ 5:00 PM.

03/24/97 Completion

MIRU Cannon Well Service Rig #2. NU 5-M well head. NU BOP, move in rig pump &

tank.

03/25/97 Completion

TIH w/4-3/4" bit, 5-1/2" csg scrapper & 189 jts 2-7/8" tbg. Tag PBTD @ 5824' KB. Circulate well clean w/130 bbls 2% KCL wtr. Pressure test csg & BOP to 1000 psi,

OK. TOOH w/tbg & tools. SWIFD.

DC: \$6,617

CC: \$112,817

Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

03/26/97 Completion

RU Schlumberger to run CBL & perf. Run CBL from 5808' KB to 800' KB. TOC @ 1050' KB. Perf 5174' - 5177', 5207' - 5210', 5214' - 5217', 5228' - 5241' & 5280' - 5292', 2 SPF. TIH w/TS RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN, & 172 jts 2-7/8" tbg. Set BP @ 5184' KB, EOT @ 5149' KB, pkr @ 5142' KB. RU BJ Services & break down 5174' - 5177' w/1932 gals 2% KCL wtr. ATP = 2600 psi, ATR = 3.6 bpm, ISIP = 1400 psi. Used 46 bbls wtr. Reset BP @ 5338' KB, EOT @ 5203' KB, pkr @ 5196' KB. Break down 5207' - 5292' w/4452 gals 2% KCL wtr. ATP = 2200 psi, ATR = 4.2 bpm, ISIP = 1300 psi. Used 106 bbls wtr. TOOH w/tbg, pkr & retrieving tool. Flowed back 25 bbls wtr. SWIFD.

DC: \$8,692

CC: \$121,509

03/27/97

Completion

RU BJ Services & frac 5174' - 5292'. Detail will follow. Used 719 bbls wtr. Start forced closure flow back, .75 bpm. Flow back 215 bbls wtr, trace of sand. SWIFN. DC: \$35,704

CC: \$157,213

03/28/97

Completion

Bleed well down. Flow back 50 bbls wtr. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 167 jts tbg. Tag sand @ 5160' KB. Circulate down to BP @ 5338' KB. Set pkr 5142' KB. Made 32 swab runs. Recovered 6 bbls oil, 151 bbls wtr, trace sand, good gas. Oil 2% last 4 runs. No sand last 9 runs. Fluid level 2100' last 3 runs. SWI until 3/31/97.

DC: \$2,206

CC: \$159,239

Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

03/31/97 Completion

Release pkr, tag sand @ 5327' KB, circulate down to BP @ 5338' KB. Release BP, TOOH w/tbg, pkr & BP. TIH w/tbg string as follows:

	LENGTH	DEPTH KB
1 - Notched-pinned collar 2-7/8"	.40'	5363.56'
1 - jt 2-7/8" EUE M-50 8rd 6.5#	30.88	5363.16'
1 - perf sub 2-7/8" x 4'	4.20'	5332.28'
1 - SN 2-7/8"	1.10'	5328.08'
6 - jts 2-7/8" EUE M-50 8rd 6.5#	185.03'	5326.98'
1 - tbg anchor 2-7/8" x 5-1/2" TRICC	2.75	5141.95'
166 - jts 2-7/8" EUE M-50 8rd 6.5#	5129.20'	5139.20
KB	10.00'	

ND BOP, ND 5-M well head, NU 3-M well head. Set the anchor w/12" tension. Flange up well head. Tih w/DHP & rod string as follows:

1 - DHP 2-1/2" x 1-1/2" x 15-1/2' RHAC w/SM plunger (TRICO #1237)

1 - K-bar 1-1/2" x 25'

211 - ¾" x 25' D-61 Plain

1 - 3/4" x 4' pony

1 - polish rod 1-1/4" x 22' SM

Pressure test DHP & tbg to 1000 psi, OK. RDMO.

DC: \$25,969

CC: \$185,208

04/10/97

Completion

Start well pumping. 3-3/4 SPM, 86" stroke.

DC: \$35,733

CC: \$220,941

Fo(m'3160-4 (November 1983) (formerly 9-330)

UNITED STATES

SUBMIT IN DUPLICATE.

(Secother in-

Form approved. Budget Bureau No. 1004-0137 Expires August 31, 1985

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

structions on reverse side) 5. LEASE DESIGNATION AND SERIAL NO.

<u> </u>			U. LA	TIP HIMIT	YO CIVIL	-141		•		U	IU-/4	390		
WELL CO	MPLETION	OR	RECO	MPLET	ION	REPOR	1A TS	ND LO	G *		/ INDIAN	I. ALLO	TTRE OR TRIBI	NAM
ia. TYPE OF WEI		🗓	WELL	$\overline{}$	RY 🗌	Other		· · ·		- (NIT ACR	EEMEN	T NAME	
b. TYPE OF COM		vo. 🗀				Ī	יוווי	וחבר	TILL	1	/a			
NEW WELL E	OVER 🔲 EN	Eis-	PLTG BACK	DIF RES	vr.	Other .		JUEL	ШП	7	ARM OR			
	Resources	Ener	gy Con	npany							onume		'ederal	,
3. ADDRESS OF OPE		 			02	(406)	250.7	7060	· · · · · · · · · · · · · · · · · · ·	#4	42-18	-9-1		
4. LOCATION OF WE									<u>.</u>				L, OR WILDCAT	
At surface 20	07' FNL &	388'	FEL							l			reen Rive	
At top prod. in	terval reported be	elow			MF	-11)+	- N	FIAL			OR AREA	,,	on booth and	
At total depth				UU	1 4 1	IUL	_	IITIL	-	SI	INE S	ec.	18, T9S,	R16
			1	1	RMIT NO					12.	COUNTY	OR.	13. STATE	
5. DATE SPUDDED	16. DATE T.D. 1	REACHED	1 17 DAT			31724		12-3-9			ichesi		Utal	
3-10-97	3-17-9	7	4-	-10–97	(10000)	o proa.,		EVATIONS (164.4' (RT, GR,	ETC.) *	1	elev. Casingu n/a	EAD
0. TOTAL DEPTH, MD 5900 !		10, BACK 241	T.D., MD A	TVD 22	HOW A	LTIPLE CON			ERVALS LLED BY		ARY TOO		CABLE TO	LS
4. PRODUCING INTER			TION TO	B. Borross	W.165 7	n/			→	SFC) - TI		n/a	
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5174' - 5		een R	iver										No	
6. TYPE ELECTRIC A	L/LDT CB	L/GR	M		*	MAN							AS WELL CORE	D
s.				ING RECO	RD (Re	fort all all	ings set	in well)	+ + + +	1				
CASINO SIZE	WEIGHT, LB.,		DEPTH SI	ET (MD)	RO	LE SIZE		Ć E	MENTING	RECOR	· · · · · · · · · · · · · · · · · · ·		AMOUNT PU	LLED
8-5/8"	24			1.2' KB		12-1/4"		0 sxs C1					None.	
5–1/2"	_	.5#	5869	9.24' KB	<u> </u>	7-7/8"		5 sxs Pr					None	
		-	 -			·	3/	5 sxs 50	/50 FOZ	w/ac	ditive	<u>s</u> _		
9.	T	LINER	RECORD)	<u> </u>			30.		CUBIN	G RECO)RT)		
SIZE	TOP (MD)	BOTTO	H (MD)	SACKS CI	MENT*	SCREEN	(MD)	SIZE			SET (M		PACKER SET	(MD)
n/a		,						2-7/8"	_	5363	.56' K	B	n/a	•
1. PERFORATION REC	Opp (Internal se			कि ग प	भव								•	
1. PERFORATION REC 5174' - 5177	7' (2 SPF)			[C] /	A TC	35.							EEZE, ETC.	
5207' - 5210)' (2 SPF)					DERTH 5171	- 517		·				AATERIAL USED	
5214' - 5217	7' (2 SPF)	$\ \ \ \ $	MAY	1 2 19	97	113/4	- 5292						lons 2% KCL lons 2% KCL	
5228' - 5241		$\Box\Box$	L	·		424	اردار		III.Cak	CIOWI.	W/4472	garr	UIS Z/o N.L.	WLL.
5280' - 5292	(2 SPF)	DIV.	OF OIL	GAS										··········
3. PIRST PRODUCT	ION PRODI	UCTION M	ETHOD (Flowing, ac		DUCTION	ize and	type of pur	nn)		W # 7 7 7	971719	(Producing o	
4-10-97	1	L-1/2"	Insert	Pump		•					shut	t-in)	oducing	•
4-24-97	HOURS TESTED	1	/a	PROD'N	FOR PERIOD	23.5	L.	GAS-M		1 .	ER—BBL.	1	GAS-OIL RATIO	
OW. TUBING PRESS.	CASING PRESSUI	E CAL	CULATED	011.—	B(,,	<u> </u>	S—MCF.	13.	WATER-	1	<u> </u>		0.57 mcf/bl	
n/a	n/a	-	HOUR RAT	23	.5	1	.3.5	No. W.	1			3	34	
Gas to M. Bu	tte Gas Pl <i>a</i> nt	guet, ver	stea, etc.) sed foir	fire1			IFIDE				WITNES			
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3. I bereby certify	that the foregoin	g and a	ttached in	formation .					ed from s	all ava	llable re	cords		
SIGNED LY	uliflan	ىمە	<u>d_</u>	TIT	LE	Operatio	ns Tec	hnician			DATE		-9- 97	· ——

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0	TRUE VERT. DEPTH		1690' 2269' 3931' 4650' 5044' 5044'	
ACE	MEAS, DEPTH		1690' 2269' 4692' 4692' 5644'	
	NAME	•	Green River Forsebench SS And Garden Gulch Yellow Parker Douglas Creek And Douglas Creek Green Marker	
THE STREETING MUTHERIDOSE	DESCRIPTION, CONTENTS, ETC.		No DST's run.	
	воттом			
	TOP			(24.1. 1.),r
recoveries):	FORMATION	· · · · · · · · · · · · · · · · · · ·		

STATE OF DIVESTOR	• • • • • • • • • • • • • • • • • • • •	GAS AN	HINING
ENTITY	ACTION	FORM	- FORM 6

		S AND HENING DRM – FORM (OPERATOR ADDRESS	Fourtable 1601 Levi			roy Cor	cany	OPER	ATOR ACCT. HD.	H 9890
		•		•		Billings.	MT 55	102			•		
						(406) 259	-7860						
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	AP (NUNGER	- VELI	NAME		90	32	YELL J TP	OCATION RG	YTHUÔD	SPUD DATE	EFFECTIVE DATE
A	99999	12124	43-013-31724	Monument Fadera	1 #42-18	9_16V	SE NE	18	98	16E	Ducheene	3-10-97	3-10-97
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LL 4 (COMMENTS:										-		
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ELL 5 (OHERTS:				`					.`			
A B C D	- Establish - Add new w - Re-assign - Re-assign	new entity sell to exis well from well from splain in com	on back of form) for new well (si ting entity (grou one existing enti one existing enti nments section) explain why mach	ngle well only) up or unit wall) ity to another exis ity to a new entity	ting entl	ty			-		Molly Signature Agent for Title	EREC	5-15 Date

2/93)

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

Page 14 of 14 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:			UTA	LH ACCOUNT NUMBER	.: N9890	
C/O CRAZY MTN O&G SVS': EQUITABLE RESOURCES EN PO BOX 577			REP	ORT PERIOD (MONTH,	/year): 9 / 97	7
LAUREL MT 59044			AMI	ENDED REPORT (H	ighlight Changes)	
Well Name	Producing	Well	Days		Decination Value	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	Production Volumes GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 34-31-8-16 4301331715 12067 085 16E 31	GRRV			WTU 74389		WATEK(BBL)
MONUMENT FEDERAL 31-21-9-16Y 4301331726 12080 09S 16E 21	GRRV			WT464379		
MONUMENT FEDERAL 33-10-9-16 4301331722 12087 09S 16E 10	GRRV			UT472107		
MONUMENT STATE 11-36-8-17Y 4304732764 12095 08S 17E 36	GRRV			ML44305		
MONUMENT BUTTE FED 31-18-9-16Y 4301331725 12104 09S 16E 18 MONUMENT FEDERAL 42-18-9-16Y	GRRV			UTU 74390		
1301331724 12124 09S 16E 18	GRRV			l _t		
		Т	OTALS			
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MMENTS:						
MMENTS:						
						
ereoy certify that this report is true and complete to the	e best of my k	inowledge.		Date:		
ne and Signature:	·			Tele	phone Number:	

184 A



October 7, 1997

Bureau of Land Management Vernal District Office 170 South 500 East Vernal, UT 84078

RE: Change of Operator

Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

Barrean

Patsy Barreau

/pb encls.



Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM	i appr	OVED	
Budget Bure	eau No.	1004-013	5
Expires:	March	31, 1993	

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→ BUREAU OF	FLAND MANAGEMENT	5. Lease Designation and Serial No.
		See Attached
	S AND REPORTS ON WELLS	6. If Indian, Allottee or Tribe Name
	drill or to deepen or reentry to a different reservoir. OR PERMIT—" for such proposals	See Attached
OURH	IT IN TOIR IOATE	7. If Unit or CA, Agreement Designation
	IT IN TRIPLICATE	See Attached
Type of Well	find from () for 1 1 3	a su u N
Well Well Other	OCT 1-2 1997	8. Well Name and No.
Name of Operator	00 : 1 v (33)	See Attached 9. API Well No.
Inland Production Company Address and Telephone No.		See Attached
475 – 17th Street, Suite 150	00, Denver, CO 80202 (303) 292-0900	10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey		See Attached
See Attached Exhibit		11. County or Parish, State
Dec novached mainto		See Attached
CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
) l
Describe Proposed or Completed Operations (Clearly state give subsurface locations and measured and true ver	all pertinent details, and give pertinent dates, including estimated date of starting nical depths for all markers and zones pertinent to this work.)*	Completion or Recompletion Report and Log form
Effective September 30, 1997, the wells on the attached li	all pertinent details, and give pertinent dates, including estimated date of starting rical depths for all markers and zones pertinent to this work.)* 7. Inland Production Company will take st. The previous operator was: Equitable Reso 1601 Lewis Ave Billings, MT	(Note: Report results of multiple completion on We Completion or Recompletion Report and Log form any proposed work. If well is directionally drift over operations of ' urces Energy Company nue 59102
Effective September 30, 1997 the wells on the attached li	all pertinent details, and give pertinent dates, including estimated date of starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take a st. The previous operator was: Equitable Resolution Lewis Ave	(Note: Report results of multiple completion on We Completion or Recompletion Report and Log form any proposed work. If well is directionally drift over operations of 'urces Energy Company nue 59102 ible under the leased lands
Effective September 30, 1997 the wells on the attached li	all pertinent details, and give pertinent dates, including estimated date of starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take that. The previous operator was: Equitable Resolution Lewis Ave Billings, MT 7, Inland Production Company is respons leases for operations conducted on the	(Note: Report results of multiple completion on We Completion or Recompletion Report and Log form any proposed work. If well is directionally drill over operations of 'urces Energy Company nue 59102 ible under the leased lands ord Insurance
Effective September 30, 1997, the wells on the attached life Effective September 30, 1997, terms and conditions of the or a portion thereof under Effoup.	all pertinent details, and give pertinent dates, including estimated date of starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take that. The previous operator was: Equitable Resolution Lewis Ave Billings, MT 7, Inland Production Company is respons leases for operations conducted on the	(Note: Report results of multiple completion on We Completion or Recompletion Report and Log form any proposed work. If well is directionally drill over operations of 'urces Energy Company nue 59102 ible under the leased lands ord Insurance
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Effective September 30, 1997, the wells on the attached li Effective September 30, 1997, terms and conditions of the or a portion thereof under Effoup.	all pertinent details, and give pertinent dates, including estimated date of starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take and zones are starting rical depths for all markers and zones pertinent to this work.)* 7, Inland Production Company will take and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers and zones are starting rical depths for all markers are starting rical depths for a	(Note: Report results of multiple completion on We Completion or Recompletion Report and Log form any proposed work. If well is directionally drill over operations of 'urces Energy Company nue 59102 ible under the leased lands ord Insurance RECENTED OCT 10 1997

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office 170 South 500 East Vernal, Utah 84078-2799

1N REPLY REFER TO: 3162.3 UT08438

November 10, 1997

Phone: (801) 781-4400

Fax: (801) 781-4400

NOV 28 1997

DIV. OF OIL, GAS & MINING

Inland Production Company 475 17th Street, Suite 1500 Denver, CO 80202

Re:

43-013-31724 Well No. Mon. Fed. 42-18-9-16Y SENE, Sec. 18, T9S, R16E Lease U-74390 Uintah County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II Assistant Field Manager, Minerals Resources

cc: Division of Oil, Gas & Mining

Equitable Resources Energy Company ABO Petro Corp Myco Industries Inc Yates Drilling Co.

Yates Petro Corp

INLAND

Inland Resources Change of Operator	i			,			
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT .
WALTON FEDERAL #1	SESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15792-00	UTU096550	UTU72086A
WALTON FEDERAL #2	NWNE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15793-00	UTU096550	UTU72086A
WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
WALTON FEDERAL #4	SENW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15795-00	UTU096550	UTU72086A
ALLEN FEDERAL #31-6G	NWNE 69S 17E	DUCHESNE	UT		43-013-31442-00	UTU020252A	
BALCRON FEDERAL #21-13Y	NENW 139S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31400-00	UTU64805	
BALCRON FEDERAL #21-25Y	NENW 259S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31394-00	UTU64380	
BALCRON FEDERAL #44-14Y	SESE 149S 17E	UINTAH	UT	MONUMENT BUTTE (U)	43-047-32438-00	UTU64806	
CASTLE PEAK FEDERAL #24-10A	SESW 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30555-00	UTU72107	
LEASTLE PEAK STATE #43-16	NESE 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30594-00	0.0.2.0	891008243C
LK: JORGENSON STATE #16-4	NESE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30572-00	ML-3453-B	0010002400
4STATE #16-2	NENE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30552-00	ML-3453-B	
BALCRON FEDERAL #21-9Y	NENW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31396-00	UTU65207	_
BALCRON FEDERAL #41-21Y	NENE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31392-00	UTU64379	
MONUMENT FEDERAL #31-6-9-16	NWNE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31717-00	UTU74390	
MONUMENT FEDERAL #32-6-9-16Y	SW NE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31300-00	UTU74390	~~
MONUMENT FEDERAL #42-6-9-16Y	SE NW 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31645-00	UTU74390	
MONUMENT FEDERAL #41-6-9-16	NENE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31718-00	UTU74390	
MONUMENT FEDERAL #31-8-9-16	NW NE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31721-00	UTU020255	
MONUMENT FEDERAL #41-8-9-16	NENE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31619-00	UTU020255	
MONUMENT FEDERAL #11-9-9-16	NW NW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31618-00	UTU020254	The state of the s
MONUMENT FEDERAL #33-6-9-16Y	NW SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31589-00	UTU74390	
MONUMENT FEDERAL #43-6-9-16Y	NE SE 6 9S 16E	DUCHESNE	UT			UTU74390	
MONUMENT FEDERAL #44-6-9-16Y	SE SE 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU74390	
MONUMENT FEDERAL #31-18-9-16	NW NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31725-00	UTU74390	
MONUMENT FEDERAL #41-18Y	NE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU74390	
MONUMENT FEDERAL #42-18Y	SE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31724-00	UTU74390	
MONUMENT FEDERAL #31-21-9-16	NW NE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31726-00	UTU64379	
MONUMENT FEDERAL #11-22Y	NW NW 229S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU64379	
MONUMENT FEDERAL #13-4-9-16	NW SW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU73086	
MONUMENT FEDERAL #14-4	SWSW 49S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31666-00	UTU73086	The second secon
MONUMENT FEDERAL #22-20-9-16	SE NW 209S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU52018	
MONUMENT FEDERAL #23-7-9-16	NESW 7 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU74390	
MONUMENT FEDERAL #24-17-9-16	SESW 179S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU52018	
MONUMENT BUTTE #34-31-8-16	SW SE 318S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31715-00	UTU74389	<u> </u>
MONUMENT FEDERAL #33-10-9-16	NW SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)		UTU72107	
MONUMENT BUTTE #43-10-9-16	NE SE 109S 16E	DUCHESNE	UT		43-013-31723-00	UTU72107	
CHORNEY FEDERAL #1-9	SWSE 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-30070-00	UTU5843	
HENDEL FEDERAL #1	SWSW 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-20011-00	UTU058149	



1-406-62

(406) 259-7860 Telephone (406) 245-1361 Fax

December 10, 1997

Lisha State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801

Dear Lisha:

Equitable Sale of Utah Properties RE:

florrad

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad

Agent for Equitable Resources

Energy Company

/mc

1-406-61



Crazy Mountain Oil & Gas Services P.O. Box 577 Laurel, MT 59044 (406) 628-4164 (406) 628-4165

TO: Lisha St of Wan.

FROM.

Molly Conrad

Crazy Mountain Oil & Gas Services

(406) 628-4164

Pages Attached - Including Cover Sheet 2.

Calling you need anything further.

	of Oil, Gas and Mining RATOR CHANGE WORKSHEET	Routing 6VVC
	ACTION CIPATOR WORLDINGS	2-GLIT 7-KAS
Attach	all documentation received by the division regarding this change.	3-DIS 275 8-SI
Initial	each listed item when completed. Write N/A if item is not applicable.	4-VI.D 9-FILE
		S.IRB V
	nange of Operator (well sold)	
	esignation of Operator	
The op	perator of the well(s) listed below has changed, effective:9-30-97	
TO: (n	new operator) INLAND PRODUCTION COMPANY FROM: (old operator)	EQUITABLE RESOURCES COMPANY
(c,	(address) PO BOX 1446 (address)	PO BOX 577
	ROOSEVELT UT 84066	LAUREL MT 59044
		C/O CRAZY MTN O&G
	Phone: (801)722-5103	Phone: (406)628-4164
	Account no. N5160	Account no. N9890
WELL	(S) attach additional page if needed:	
Name:	**SEE ATTACHED** API: 43-013-31724 Entity: S T	R Lease:
Name:	**SEE ATTACHED** API: 43-013-31734 Entity: S T API: S T	R Lease:
Name: _	API: Entity: S T	R Lease:
Name:	API: Entity: S T API: Entity: S T	R R Lease:
Name:	API: Entity: S T	R Lease:
Name:	API: Entity: S T	R Lease:
OPERA	ATOR CHANGE DOCUMENTATION	
Lec 1.	(r649-8-10) Sundry or other legal documentation has been received from the form). (field 12-10-97)	FORMER operator (attach to this
<u>Lec</u> 2.	(r649-8-10) Sundry or other legal documentation has been received from form). (Lc/d/0-2097)	the NEW operator (Attach to this
<u>№ 3.</u>	The Department of Commerce has been contacted if the new operator al wells in Utah. Is the company registered with the state? (yes/no)	bove is not currently operating any If yes, show company file number:
ıl		
<u>lec</u> 4.	FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been cont note of BLM status in comments section of this form. BLM approval of changes should ordinarily take place prior to the division's approval, and	Federal and Indian well operator
. /	through 9 below.	
<u>lec</u> 5.	(12-2-97)) for each well listed above.
HC 6.	Cardex file has been updated for each well listed above. (12397)	
<u>lec</u> 7.	Well file labels have been updated for each well listed above. (12-3-97)	
se 8.	Changes have been included on the monthly "Operator, Address, and Account to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (12-3-97)	nt Changes" memo for distribution
ec 9.	A folder has been set up for the Operator Change file, and a copy of the reference during routing and processing of the original documents.	his page has been placed there for

lous/wpdocs/forms/opercling

- OVER -

OPERATO	R CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.
ENTITY I	REVIEW
<i>fec</i> 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
<u>М</u> 2. Т	Frust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entit hanges.
BOND VE	RIFICATION - (FEE WELLS ONLY)
NA 1. (r	649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A	copy of this form has been placed in the new and former operator's bond files.
3. TI	he FORMER operator has requested a release of liability from their bond (yes/no), as of today's date If yes, division response was made to this request by letter dated
LEASE IN	TEREST OWNER NOTIFICATION OF RESPONSIBILITY
$\frac{2}{5} \lim_{12/5} \frac{1}{5}$ $\frac{12}{5} = 2. \text{(r6)}$	popies of documents have been sent on to at Trust Lands for changes volving State leases, in order to remind that agency of their responsibility to review for proper bonding. 549-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter ted 19 , of their responsibility to notify all interest owners of this change
FILMING	ted19, of their responsibility to notify all interest owners of this change.
//	l attachments to this form have been microfilmed. Today's date: 6-3-98.
FILING	
1. Co	pies of all attachments to this form have been filed in each well file.
2. The	e original of this form, and the original attachments are now being filed in the Operator Change file.
COMMENT	S
971202 1	Blm/Verne/ aprv. Nov. 10, 13 E. 20, 1997.
·	

WEST POINT UNIT WELL LISTING

AS OF 7/13/98

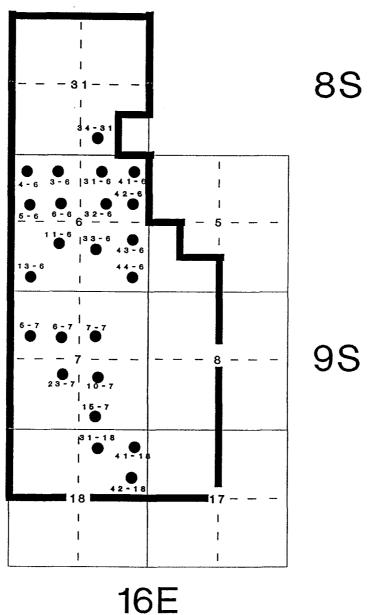
T. 8 & 9S, R. 16E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
lo 1	WEST POINT UNIT	MON FED #31-6Y	PROD	43.013.3017	12060
le l	WEST POINT UNIT	FED 32-86-09-16Y	PROD	43.0122300	112.11
9	WEST POINT UNIT	MON FED #42-6Y	PROD	4301331645	11947
0	WEST POINT UNIT	MON FED #43-6Y	PROD	4301331644	11960
[9	WEST POINT UNIT	MON FED #33-6Y	PROD	4301231559	11933
lo i	WEST POINT UNIT	FED 44-26-09-16Y	PROD	4301331720	12066
7	WEST POINT UNIT	MON FED #23-7X	PROD	4301331694	12019
14	WEST POINT UNIT	MON FED #41-18Y	PROD	43012216410	11941
18	WEST POINT UNIT	FED 31-18-9-16Y	PROD	4301331726	12104
X 18	WEST POINT UNIT	FED 42-18-09-16 y	PROD	4301331724	12124
31	WEST POINT UNIT	MON FED 34-31-8-16	PROD	4301331715	12067
6	WEST POINT UNIT	MON FED 41-6-9-16Y	PROD	4301331718	12043,
le	WEST POINT UNIT	NINE MILE 3-6	PROD	43013318110	12264
b	WEST POINT UNIT	NINE MILE 11-6	PROD	4301331813	12266
6	WEST POINT UNIT	NINE MILE FEDERAL 15-6-9-16	PROD	4301333200	12327
1	WEST POINT UNIT	NINE MILE 6-7	PROD	4301231776	12290,
ሳ	WEST POINT UNIT	NINE MILE 10-7	PROD	4301331773	12286
Ţ	WEST POINT UNIT	NINE MILE FEDERAL 12-7-9-16	PROD	4301333014	12328
je	WEST POINT UNIT	NINE MILE 4-6	PROD	4301331952	12282
b	WEST POINT UNIT	NINE MILE 5-6	PROD	430133953	12288
b	WEST POINT UNIT	NINE MILE 13-6	PROD	43013319574	12284
6	WEST POINT UNIT	NINE MILE 6-6	PROD	14301331719	12289
η	WEST POINT UNIT	NINE MILE 5-7	PROD	4301331777	12291
η	WEST POINT UNIT	NINE MILE 7-7	PROD	43012-7178	12292
7	WEST POINT UNIT	NINE MILE 15-7	PROD	4301231803	12287
7	WEST POINT UNIT	NINE MILE 2-7	PROD	4301332011	12316
Ì	WEST POINT UNIT	NINE MILE 3-7	PROD	4301333012	12313
7	WEST POINT UNIT	NINE MILE 4-7	PROD	11301333013	12325
•	WEST POINT UNIT	NINE MILE 14-6	P&A-	14301331999	j

WEST POINT (GR) UNIT ENTITY 12418 EFF 6-1-98.

WEST POINT (GREEN RIVER) UNIT Duchesne County, Utah

EFFECTIVE: JUNE 1, 1998



UNIT OUTLINE (UTU77107X)

2,738.19 ACRES

SECONDARY ALLOCATION

FEDERAL 100%

FORM 3160-5 (June 1990)

UNITED STATES BUREAU OF LAND MANAGEMENT

	FORM APPROVI
	Budget Bureau No
_	Expires: March 3

ED o. 1004-0135

1, 1993 5. Lease Designation and Serial No.

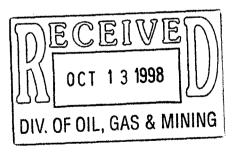
UT	T 7	424	M.
	- /	4 11	711

SUNDRY NOTICES AND REPORTS ON WELLS	010-74390
Do not use this form for proposals to drill or to deepen or reentry a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name NA
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation WEST POINT (GR RVR)
X Oil Well Gas Well Other	8. Well Name and No. MONUMENT FEDERAL 42-18-9-16Y 9. API Well No.
. Name of Operator	43-013-31724
INLAND PRODUCTION COMPANY Address and Telephone No.	10. Field and Pool, or Exploratory Area MONUMENT BUTTE
475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900	11. County or Parish, State
Location of Well (Footage, Sec., T., R., m., or Survey Description) 2007 FNL 0388 FEL SE/NE Section 18, T09S R16E	DUCHESNE COUNTY, UTAH

2. CHECK APPROPRIATE BOX(s) TYPE OF SUBMISSION	PRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION					
Notice of Intent X Subsequent Report	Abandonment Recompletion Plugging Back Casing Repair	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off				
Final Abandonment Notice	Altering Casing Other Site Security	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)				

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct Signed Schlie E Knigh	Title	Manager, Regulatory Compliance	Date	10/8/98
(This space for Federal or State office use)	Title		Date	
Approved by Conditions of approval, if any: CC: UTAH DOGM	Title		Bate	

Inland Production Company Site Facility Diagram

Monument 42-18Y
SE/NE Sec. 18, T9S, 16E
Duchesne County
May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah **Production Phase:** 1) Valves 1 and 3 sealed closed Gas Sales Meter 2) Valves 2 and 4 sealed open Sales Phase: 1) Valves 1, 2, 4, 5 sealed closed 2) Valves 1 open Pumping Unit Diked Section **Draining Phase:** 1) Valve 3 open Production Tank (4)Water Tank Production Tank Emulsion Line

Load Line Water Line Gas Sales



United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-924)

September 16, 2004

Memorandum

To:

Vernal Field Office

From:

Acting Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Milas Llouters

Michael Coulthard Acting Chief, Branch of Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225 State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson Joe Incardine Connie Seare

漢的 计系统





Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.





Secretary of State

ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF INLAND PRODUCTION COMPANY

In the Office of the Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 - Name

The name of the corporation is Inland Production Company.

ARTICLE 2 - Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE - The name of the corporation is Newfield Production Company."

ARTICLE 3 - Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs, Treasurer

•	•		•		•
UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	4 · · · ·
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553·	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013 [.]	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833 [,]	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	· · · · · · · · · · · · · · · · · · ·
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
•	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		•
13905	52018	73087	76241		
15392	58546	73807	76560		
				-	

OPERATOR CHANGE WORKSHEET

ROUTING 1. GLH 2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:	9/1/2004
FROM: (Old Operator):	TO: (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721
CA No.	Unit: WEST POINT (GREEN RIVER)

WELL(S)								
NAME	SEC	TWN	RNG	API NO	ENTITY	l .	WELL	WELL
		, ,			NO	TYPE	TYPE	STATUS
MON FED 34-31-8-16	31	080S	160E	4301331715	12418	Federal	WI	A
WEST POINT U 13-5-9-16	05	090S	160E	4301331766	12418	Federal	OW	P
MON FED 32-6-9-16Y	06	090S	160E	4301331300	12418	Federal	WI	A
MON FED 33-6-9-16Y	06	090S	160E	4301331589	12418	Federal	OW	S
MON FED 43-6-9-16Y	06	090S	160E	4301331644	12418	Federal	WI	A
MON FED 42-6-9-16Y	06	090S	160E	4301331645	12418	Federal	OW	P
MON FED 31-6-9-16Y	06	090S	160E	4301331717	12418	Federal	OW	P
MON FED 41-6-9-16Y	06	090S	160E	4301331718	12418	Federal	WI	A
NINE MILE 6-6	06	090S	160E	4301331719	12418	Federal	OW	P
MON FED 44-6-9-16Y	06	090S	160E	4301331720	12418	Federal	OW	P
WEST POINT U 12-6-9-16	06	090S	160E	4301331765	12418	Federal	OW	P
NINE MILE 11-6	06	090S	160E	4301331812	12418	Federal	WI	A
MON FED 23-7-9-16Y	07	090S	160E	4301331694	12418	Federal	WI	A
NINE MILE 10-7	07	090S	160E	4301331773	12418	Federal	OW	P
NINE MILE 6-7	07	090S	160E	4301331776	12418	Federal	OW	P
NINE MILE 5-7	07	090S	160E	4301331777	12418	Federal	WI	A
NINE MILE 7-7	07	090S	160E	4301331778	12418	Federal	WI	A
NINE MILE 15-7	07	090S	160E	4301331803	12418	Federal	WI	A
NINE MILE 16-7-9-16	07	090S	160E	4301331804	12418	Federal	OW	P
MON FED 41-18-9-16Y	18	090S	160E	4301331646	12418	Federal	WI	Α
MON FED 42-18-9-16Y	18	090S	160E	4301331724	12418	Federal	OW	S
MON BUTTE FED 31-18-9-16Y	18	090S	160E	4301331725	12418	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

(R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/15/2004

The new company was checked on the Department of Commerce, Division of Corporations Database on: 2/23/2005

Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

If NO, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on:	IN PLACE	
6b. Inspections of LA PA state/fee well sites complete on:	waived	
7. Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian lease.		_
8. Federal and Indian Units: The BLM or BIA has approved the successor of unit operators.	for wells listed on:	n/a
9. Federal and Indian Communization Agreements The BLM or BIA has approved the operator for all wells list	` '	na/
10. Underground Injection Control ("UIC") The Inject, for the enhanced/secondary recovery unit/project for the	- -	C Form 5, Transfer of Authority to ted on: 2/23/2005
DATA ENTRY: 1. Changes entered in the Oil and Gas Database on:	2/28/2005	
2. Changes have been entered on the Monthly Operator Change	Spread Sheet on:	2/28/2005
3. Bond information entered in RBDMS on:	2/28/2005	
4. Fee/State wells attached to bond in RBDMS on:	2/28/2005	
5. Injection Projects to new operator in RBDMS on:	2/28/2005	
6. Receipt of Acceptance of Drilling Procedures for APD/New or	: waived	d
FEDERAL WELL(S) BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:	UT 0056	
INDIAN WELL(S) BOND VERIFICATION: 1. Indian well(s) covered by Bond Number:	61BSBDH2912	
FEE & STATE WELL(S) BOND VERIFICATION: 1. (R649-3-1) The NEW operator of any fee well(s) listed covere	l by Bond Number	61BSBDH2919
2. The FORMER operator has requested a release of liability from The Division sent response by letter on:	their bond on: n/a* n/a	
LEASE INTEREST OWNER NOTIFICATION: 3. (R649-2-10) The FORMER operator of the fee wells has been of their responsibility to notify all interest owners of this change		a letter from the Division
COMMENTS: *Bond rider changed operator name from Inland Production Compa	ny to Newfield Production	1 Company - received 2/23/05

FORM 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

Expires January 31,2004

Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

USA UTU-74390

FORM APPROVED

OMB No. 1004-0135

6. If Indian, Allottee or Tribe Name.
7. If Unit or CA/Agreement, Name and/or WEST POINT UNIT 8. Well Name and No.
MON FED 42-18-9-16Y 9. API Well No.
4301331724 10. Field and Pool, or Exploratory Area
MONUMENT BUTTE 11. County or Parish, State DUCHESNE, UT
RE OF NOTICE, OR OTHER DATA
ACTION
Production(Start/Resume) Reclamation Recomplete Temporarily Abandon Water Disposal Water Shut-Off Well Integrity Other Other
Water Disposal any proposed work and ap

proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final

Newfield requests a change of status to TA this well. Newfield plans to Re-Complete this well in the near future in the following intervals.

CP1, CP2 D1 (possible BI & B2)

Accepted by the Utah Division of Oil, Gas and Mining For Record Only

I hereby certify that the foregoing is true and	Title							
COTTECT (Printed/ Typed) Kathy Chapman	Office	Manager			*			
Signature	Date							
State (Massin	01/30/2	008						
This space for fel	ERAL	OR STATE OFF	ICE USE	Charles I The Control				
Approved by		Title		Date				
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any p	erson knowin	gly and willfully to mak	e to any denartment	or agency of the United				

(Instructions on reverse)

RECEIVED

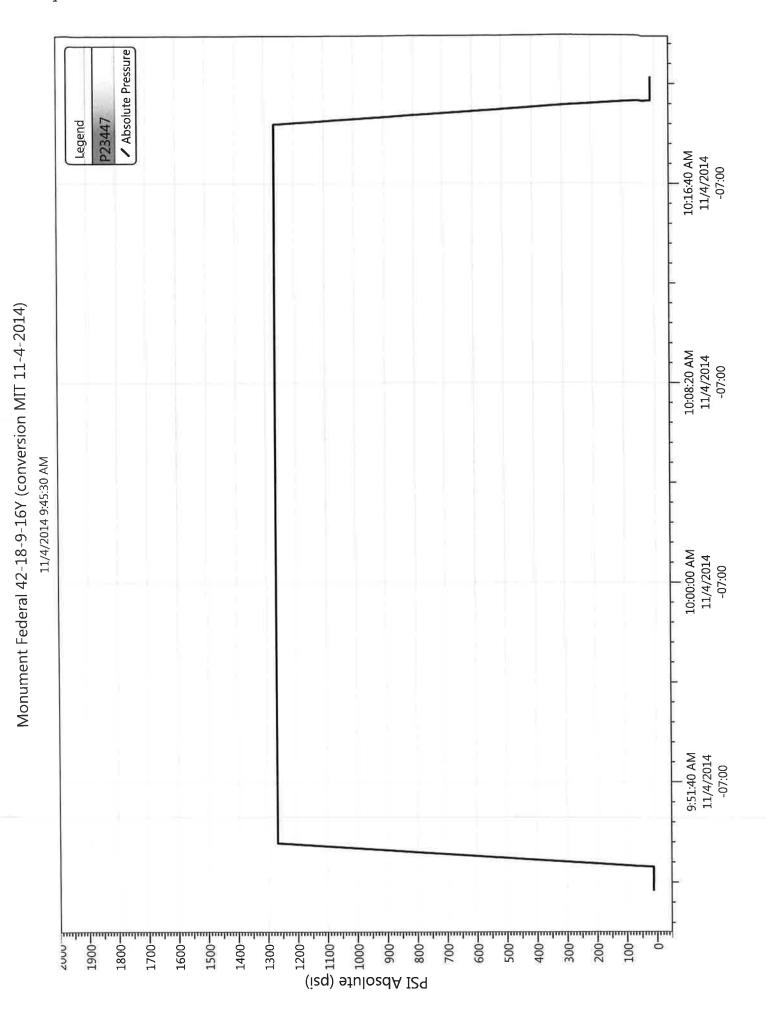
FEB 0 6 2008

	STATE OF UTAH		FORM 9
I	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	e e e e e e e e e e e e e e e e e e e	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74390
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: MON FED 42-18-9-16Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013317240000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		ONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FNL 0388 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 8 Township: 09.0S Range: 16.0E Meridian: \$	3	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
11/4/2014	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	water shutoff	SI TA STATUS EXTENSION	APD EXTENSION
,			OTHER: Naw Parfarations
		OTHER	OTHER: New Perforations
The subject well hinjection well on 1 5664-5670' 3 JSPI Utah DOGM was listed well. On 11/0 and charted for 30 injecting during the	COMPLETED OPERATIONS. Clearly show all person as been converted from a prod 10/30/2014. New interval person 5. On 11/03/2014 Richard Power contacted concerning the initial 04/2014 the casing was pressure minutes with no pressure loss test. The tubing pressure was an State representative availab	ucing oil well to an rated, CP2 sands - ell with the State of MIT on the above red up to 1267 psig at the well was not 50 psig during the le to witness the test.	Accepted by the Utah Division of Oil, Gas and Mining Date: November 25, 2014 By:
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 11/12/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness:	Date 1/1 41 2014 Time 9:51
Test Conducted by: Destin	Bernett
Others Present: Hal Riching	
ž	
Well: Monument Pederal 42.18	-9-164 Field: Monument Butte
Well Location: SE/NE Sec.	18, TOS, PREAPINO: 43-013-31724
/) / / / / / / / / / / / / / / / / / / /
T	
<u>Time</u>	Casing Pressure
0 min	1267, 9 psig
5	1267. 2 psig
10	1266:6 psig
15	/266_6 psig
20	1266 · 6 psig
25	1266, 4 psig
30 min	/266-6 psig
35	psig
40	psig
45	psig
50	psig
55	psig
60 min	psig
Tubing pressure:	50/65_ psig
Result:	Pass Fail
Signature of Witness:	
	DA M
Signature of Person Cond	iucting Test: 🎢 📈 🎉



NEWFIELD

Schematic

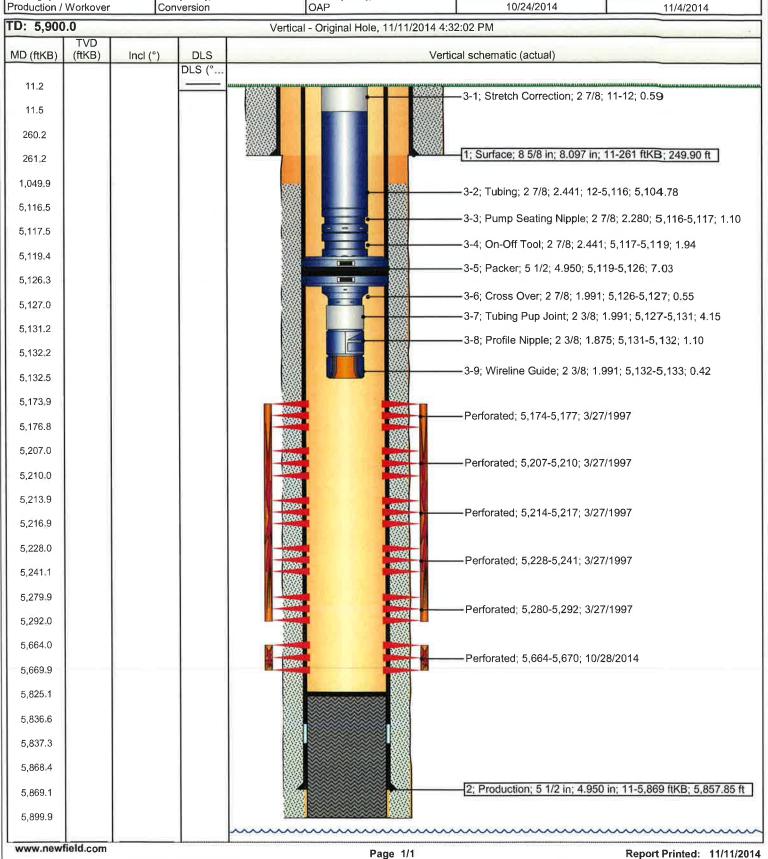
Well Name: Mon 42-18Y-9-16

Surface Legal Location	on			API/UWI		Well RC	Lease	State/Province	Field Name	County
18-9S-16E				43013317	240000	500151760		Utah	GMBU CTB3	DUCHESNE
Spud Date	Rig Release Date	On Production Date	Original KB Elevation	(ft) C	Ground Ele	evation (ft)	Total Depth All (TVD)	(ftKB)	PBTD (All) (ftk/B)	
		4/10/1997	6,075	6	6,064				Original Hole -	5,825.0

 Most Recent Job

 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Production / Workover
 Conversion
 OAP
 10/24/2014
 11/4/2014





Newfield Wellbore Diagram Data Mon 42-18Y-9-16

Surface Legal Location 18-9S-16E					API/UWI 43013317240000		Lease				
County DUCHESNE		State/Province Utah			Basin Ucayali Basin		Field Name GMBU CTB3				
Vell Start Date 3/10/1997		Spud Date			Final Rig Release Date		On Production Date 4/10	/1007			
	d Elevation (ft)	Total Depth (fti	KB)		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB)				
6,075	6,064			5,900.0			Original Hole - 5,82	5.0			
Casing Strings											
Csg Des Gurface		Run D 3/10/1997	ate	OD (in) 8 5/8	ID (in) 8.097	Wt/Len (lb/ft) 24.00	J-55	Set Depth (ftKB)			
Production		3/17/1997		5 1/2	4.950	15.50		5,86			
ement											
tring: Surface, 261ftKE	3/12/1997										
ementing Company	0.12.100.				Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Voi Cement Ret (bbl)			
J Services Company					11.0 Fluid Type	261.0 Amount (sacks)	Class	Estimated Top (ftKB)			
uid Description					Lead	160		11			
string: Production, 5,86	9ftKB 3/17/199	97									
ementing Company BJ Services Company					Top Depth (ftKB) 1,050.0	Bottom Depth (ftKB) 5,900.0	Full Return?	Vol Cement Ret (bbl)			
luid Description					Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)			
luid Description					Lead Fluid Type	145 Amount (sacks)	PRELITE Class	1,050 Estimated Top (ftKB)			
ibid Description					Tail		50/50 POZ	2,500			
Tubing Strings											
ubing Description Fubing					Run Date 10/27	/2014	Set Depth (ftKB)	5,132			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)			
Stretch Correction	1	2 7/8		6.50		0.59	11.0	11			
ubing	165	2 7/8	2.441	6.50		5,104.78	11.6	5,116			
ump Seating Nipple	1	2 7/8	2.280		N-80	1.10	5,116.4	5,117			
On-Off Tool	1	2 7/8	2.441			1.94	5,117.5	5,119			
Packer	1	5 1/2	4.950			7.03	5,119.4	5,126			
Cross Over	1	2 7/8	1.991			0.55	5,126.4	5,127			
Tubing Pup Joint	1	2 3/8	1.991	4.70		4.15	5,127.0	5,131			
Profile Nipple	1	2 3/8	1.875		N-80	1.10	5,131.1	5,132			
Wireline Guide	1	2 3/8	1.991			0.42	5,132.2	5,132			
Rod Strings Rod Description					Run Dale		Set Depth (ftKB)				
Rod Description					Run Date		Set Depth (fikb)				
Item Des Jts OD (in)				Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)			
		L									
Perforation Intervals	100	Ton (fi	KO)	Ptm (#KP)	Shot Done (shots/ft)	Physica (*)	Now Holo Dia (in)	Doto			
1 G3, G4, Origin		Top (fi	5,174	Btm (ftKB) 5,177	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	3/27/1997			
1 G3, G4, Origina			5,207	5,210	2			3/27/1997			
1 G3, G4, Origina			5,214	5,217	2			3/27/1997			
1 G3, G4, Origina			5,228	5,241	2			3/27/1997			
1 G3, G4, Origina		5,280	5,292			3/27/1997					
2 CP2, Original I		5,664	5,670	3	120	0.340	10/28/2014				
Stimulations & Treatme	nts		-								
Stage#	ISIP (psi)	Frac Gradie	ent (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)			
	1,900 1,900			34.5		405					
2	2,007		0.79	34.5 18.1	4,506	425	441	18			
Proppant	2,007	J	0.78	10.1	4,506	L	L				
Tota	l Prop Vol Pumped	ľ									
Stage#	(lb)	Droppost 1	White Ser	d 99800 lb	Total Ad	ld Amount					
1		Proppant \									
1			WING 230	I MMOULL III)							
1 2				d 30000 lb							

Job Detail Summary Report	Job Start Date 10/24/2014 Job End Date 11/4/2014		24hr Activity Summary MIRUSU. Test tbg. LD rods.	End Time Comment Well was shutin.	12:00	13:30	End Time 16:00 Soft set pump. Blew hole in tbg @ 2000 psi. TOOH w/ rods LD on trailer. 44- 3/4" 4per, Hot oil again w/ 20 bbls wtr, 57- 3/4" flush w/ 30 bbls, LD 79- 3/4 plain (18 3/4" plain bad rods), 10- 3/4 plain rods. 4- 1-1/2" weight rods. LD Pump.	End Time Comment Comment RU sand line & tag @ 5376'. (couldn't get through NC).	End Time Comment Shut in for weekend,	24hr Activity Summary RU FMC frac vive, BOP's.Test BOP's. TOOH w/ tbg. Breaking & inspect pins, TIH w/ Bit & scraper.	End Time C7:00 Well was shut in for weekend.	End Time Comment Comment Hold safety meeting. RU FMC frac vive, Double set 2-7/8" pipe BOP's w/ double side port valves, Washington head. Release TA. RU Weatherford "H" valve. Set @ 20'.	End Time Comment Comment RU B&C Quick tester. Test voids on BOP's to 3000 psi. Test BOP's & wellhead to 300 psi low for 5 min. Test 3000 psi high for 10 min.	End Time Comment TOOH w/ tbg. Breaking & inspect every other pins. Circulated well w/ bbls on way out to keep clean. Found hole in tbg, #167 jt. Found NC had bar in it.	End Time Comment TIH w/ Bit & scraper. Had to flush w/ 30 bbls w/ 60 jts in. Left EOT @ 5073'.	End Time Comment Shut in for night.	24hr Activity Summary TOOH w/ bit & scraper, Break & dope other pins. Perforate CP2 sds, PU L-80 tbg & tools. Test tools. Set tools.			End Time Circulated 85 bbls wtr to clean well out. LD Bit & scraper.	End Time 14:00 Comment RU Perforators lubricator & WLT. Had to pump 20 bbls water down casing to get past 280'. Perforated CP2 sds w/ 18 shots.	End Time 16:30 Set pipe rack. Unload L-80, 2-7/8" frac string. Make Up "TS" RBP, ON/OFF tool, 2-3/8" x 4' pup joint (1.99" ID), "HD" pkr. 2-7/8" SN. PU, tally, drift & TIH w/ frac string (161 jts). Test casing to 1500 psi for 5 min above perfs @ 5165'.	
NEWFIELD Well Name: Mon 42-18Y-9-16	Jobs Primary Job Type Conversion	ions	Report End Date 10/25/2014		Start Time 10:00	Start Time 12:00	Start Time 13:30	Start Time 16:00	Start Time 17:00	Report Start Date Report End Date 24hr Acti 10/27/2014 RU FN	00:00	Start Tīme 07:00	Start Time 09:30	Start Time 11:30	Start Time 15:00		ate 2014	00:00	Start Time 07:00	Start Time 08:30	Start Time 12:00	Start Time 14:00	

Report Printed: 11/11/2014

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www.newfield.com

MFIELD		
WFIELD	_	
WE	IELD	
	WE	

Well Name: Mon 42-18Y-9-16

Job Detail Summary Report

Start Time 16:30		End Time	18:30	CPORTMENT Set pkr @ 5730', Pressure tbg to 3300 psi. Release pkr., TOOH w/ tbg & reset pkr @ 5610'. CP2 sds broke @ 4300 psi back to 600 psi. Takes water @ 1700 psi @ 2-1/2 bpm. ISIP was 600 psi.
		End Time	00:00	Comment Shut in for night.
Report Start Date Report End Date 10/29/2014 10/30/2014		nary crew. Frac well	24hr Activity Summary Rac well, Flow well back. TIH w/ tbg LD work string. RU HES frac crew. Frac well, Flow well back.	urk string.
Start Time 00:00		End Time	00:90	Comment Well was shut in.
Start Time 06:00		End Time	10:00	Gomment Held safety meeting. RU Halliburton frac crew.
Start Time 10:00		End Time	10:30	CP2 sds. Test lines to 7976 psi. Open well w/ 0 psi on tbg. Took 1.5 bbls to fill tbg. Pressure casing to 200 psi & held during frac w/ 15 bbls wtr. Broke @ 2668 psi back to 2305 psi. Treated @ ave pressure of 3173 @ ave rate of 17 bpm w/ 415 bbls of Delta 140 17# frac fluid in Fresh wtr. Treated w/ 30,060# of 20/40 white sand @ 5 ppa. ISIP was 2007 w/ .79FG.
Start Time 10:30		End Time	12:00	Comment Flow well back on 26/64 choke then 30/64 choke for a total of 185 bbls rec'd w/ 1000#'s of sand.
Start Time 12:00		End Time	13:00	Comment Open equalizer & released pkr, Circulate tbg clean. TIH w/ tbg to C/O 94' of sand. Release RBP @ 5770'.
Start Time 13:00		End Time	15:30	Comment RU pipe racks & catwalk, TOOH w/ L-80 tbg LD on racks.
Start Time 15:30		End Time	17:30	Comment RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple 1.87" ID, On/Off tool, 2-7/8" SN. TIH w/ 40 jts of used 2-7/8" J-55 tbg (1260').
		End Time	00:00	Comment Shut in for night.
Report Start Date Report End Date 10/30/2014 10/31/2014	24hr Activity Summary TIH w/ Injection string.	nary on string. Test t	Test tbg. Test casing. RDMOSU.	
Start Time 00:00		End Time	07:00	Comment Well was shut in for night.
Start Time 07:00		End Time	00:60	Comment Held safety meeting. Open well w/ 0 psi on casing. Continue TIH w/ tbg.
Start Time 09:00		End Time	11:00	Comment Well standing full. Drop Std vIv. Pump bbls to seat std vIv. Test tbg to 3000 psi for 30 min. RU sand line & retrieve std vIv.
Start Time 11:00		End Time	13:00	Comment RD BOP's. Pump 65 bbls packer fluid. Set AS1 CE @ 5121.66' w/ EOT @ 5131.66' w/ 15,000#'s tension.
Start Time 13:00		End Time	16:30	Comment Pressure test casing to 1150 psi. RU Newfield water services & record 4 psi loss in 30 min test.
		End Time	17:30	Comment RDMOSU.
		End Time	00:00	Comment SIFN.
Report Start Date Report End Date 11/4/2014	24hr Activity Summary Conduct MIT	nary		
Start Time 09:45		End Time	10:15	Comment On 11/03/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/04/2014 the casing was pressured up to 1267 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an State representative available to witness the test.

Report Printed: 11/11/2014

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www.newfield.com

Sundry Number: 59265 API Well Number: 43013317240000

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74390
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal l n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: MON FED 42-18-9-16Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013317240000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,		NE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FNL 0388 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	flp, RANGE, MERIDIAN: 8 Township: 09.0S Range: 16.0E Meridian: \$	6	STATE: UTAH
11. CHECH	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date from film status	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN F	FRACTURE TREAT	NEW CONSTRUCTION
12/17/2014	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
to proper property on			<u>,</u>
	rence well was put on injection 12/17/2014.		Accepted by the Utah Division of Oil, Gas and Mining
			FOR RECORD ONLY December 23, 2014
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician	
SIGNATURE N/A		DATE 12/23/2014	



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-425

Operator:

Newfield Production Company

Well:

Monument Federal 42-18-9-16Y

Location:

Section 18, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-31724

Well Type:

Enhanced Recovery (waterflood)

Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on September 4, 2014.
- 2. Maximum Allowable Injection Pressure: 1,866 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (4,036' 5,825')
- 5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

hn Rogers O

12/15/2014 Date

Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal Jill Loyle, Newfield Production Company, Denver Newfield Production Company, Myton

Duchesne County

Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

September 4, 2014

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 42-18-9-16Y, Section 18, Township 9 South, Range 16

East, SLBM, Duchesne County, Utah, API Well # 43-013-31724

Newfield Production Company:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing\tubing pressure test shall be conducted prior to commencing injection.
- 4. At the time of conversion, a representative connate water sample shall be obtained from the injection interval for the purpose of laboratory analysis to determine compatibility with the proposed injectate water.
- Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- The top of the injection interval shall be limited to a depth no higher than 4,036 feet in the Monument Federal 42-18-9-16Y well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely

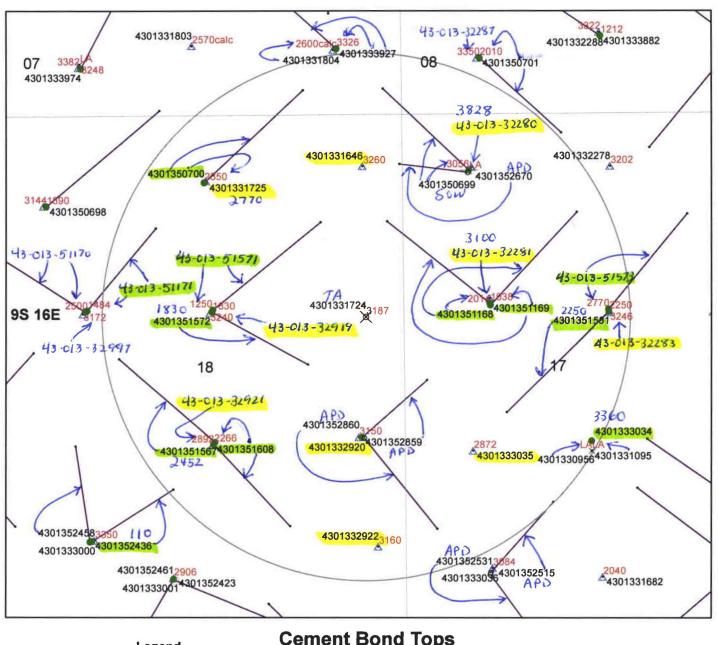
Associate Director

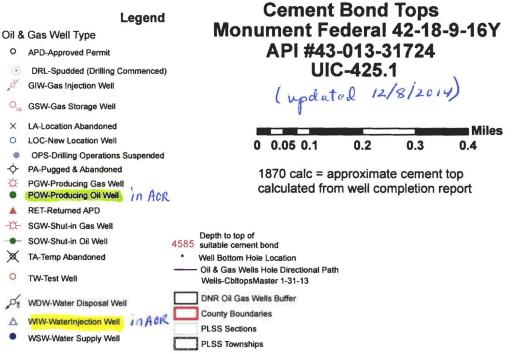
JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal **Duchesne County** Newfield Production Company, Myton Well File

N:\O&G Reviewed Docs\ChronFile\UIC







DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant: Newfield Production Company	Well:	Monument Federal 42-18-9-16Y
Location: 18/9S/16E	API:	43-013-31724

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 261 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,869 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,187 feet or higher. A 2 7/8 inch tubing with a packer will be set at 5,124 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (12/8/2014), based on surface locations, there are 10 producing wells, 10 injection wells, 1 shut-in well, and 1 temporarily abandoned well (the proposed injection well) in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there are 2 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location outside the AOR, from which a directional well will be drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2000 feet. Injection shall be limited to the interval between 4,036 feet and 5,825 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 42-18-9-16Y well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,866 psig. The requested maximum pressure is 1,866 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 42-18-9-16Y page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the

Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

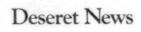
Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 9/3/2014 (revised 12/8/2014)

4770 S. 5600 W. P.O. BOX 704005 WEST VALLEY CITY, UTAH 84170 FED.TAX I.D.# 87-0217663 801-204-6910

The Salt Lake Tribune





PROOF OF PUBLICATION

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SALT LAKE CITY, UT 84114			

GAS & MINING

ACCOUN	T NAME		
DIV OF OIL-GA	BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-425		
TELEPHONE	TELEPHONE ADORDER# / INVOIC		
8015385340	0000972678 /	IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 18, 22, AND 24, TOWNSHIP SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.	
SCHEI	THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.		
Start 07/25/2014	End 07/25/2014	Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County Utah, for conversion to Class II injection wells:	
CUST, R	captroval of the Following with located in Societies County Utah, for conversion to Class II injection wells: Greater Monument Butte Unith: Monument Federal 42-18-9-16 y well located in SE/4 NE/4 Section 18, Township 9 South, Range 16 East API 43-013-31724 Federal 10-22-9-16 well located in NW/4 SE/4, Section 2: Township 9 South, Range 16 East API 43-013-33166 Federal 6-24-9-16 well located in SE/4 NW/4, Section 2: Township 9 South, Range 16 East API 43-013-32962		
UIC-425			
CAPT			
BEFORE THE DIVISION OF OIL, GAS AND MII	NING DEPARTMENT OF NAT	The proceeding will be conducted in accordance with Utal Admin, R649-10, Administrative Procedures.	
SIZ	Selected zones in the Green River Formation will be used to water injection. The maximum requested injection pressure.		
63 Lines	2.00 COLUMN	and rates will be determined based on fracture gradient formation submitted by Newfield Production Company.	
TIMES	RATE	Any person desiring to object to the application or otherwis intervene in the proceeding, must file a written protest or no fice of intervention with the Division within fifteen days for	
3		Any person desiring to object to the application or other intervene in the proceeding, must file a written protest or tice of Intervention with the Division within differen days lowing publication of this notice. The Division's Presiding Coer for the proceeding is Brad Hill, Permitting Manager P.O. Box 145801, Sait take City, UT 84114-5801, pt number (801) 538-5340. If such a protest or notice of in vention is received, a hearing will be scheduled in acc ance with the aforementioned administrative proced rules. Protestants and/or interveners should be prepare demonstrate at the hearing how this matter affects their terests.	
MISC. CHARGES	AD CHARGES		
		Dated this 22nd day of July, 2014.	
	TOTAL COST	STATE OF UTAH DIVISION OF OIL, GAS & MINING /5/ Brad Hill	
	216.68	972678 Permitting Manager UPAXU	

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-425 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON

Start 07/25/2014

End 07/25/2014

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DATE

7/25/2014

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PLEASE PAY FROM BILLING STATEMENT



Mogenen Crist

NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for / consecutive issues, and that the first publication was on the 24 day of , 20 / +, and that the last publication of such notice was in the issue of such newspaper dated the 24 day of ________.

20 / +, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

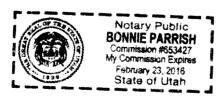
Publisher

Subscribed and sworn to before me on this

, 20 14

by Kevin Ashb

Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPART-MENT OF NATURAL RESOURCES, STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO.

IN THE MAT-TER OF THE APPLICATION OF NEWFIELD PRODUCTION -**COMPANY FOR ADMINISTRATIVE** APPROVAL OF CERTAIN WELLS LOCATED IN SEC-**TIONS 18, 22, AND** 24. TOWNSHIP 9 **SOUTH, RANGE 16** EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJEC-TION WELLS.

THE STATE OF UTAH TO ALL PER-SONS INTERESTED IN THE ABOVE ENTITLED MAT-TER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative

Continued on next page

Continued from previous page

approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 42-18-9-16Y well located in SE/4 NE/4, Section 18, Township 9 South, Range 16 East

API 43-013-31724 Federal 10-22-9-16 well located in NW/4 SE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33166 Federal 6-24-9-16 well located in SE/4 NW/4, Section 24, Township 9 South, Range 16 East API 43-013-32962

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice

of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests. Dated this 22nd day of July, 2014. STATE OF UTAH DIVISION OF OIL, GAS & MIN-ING Brad Hill Permitting Man-Published in the Uintah Basin Stan-

dard July 29, 2014.

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-425

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 18, 22, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Dated this 22nd day of July, 2014.

STATE OF WTAH

DIVISION OF OIL, GAS & MINING

Brad Hill

Permitting Manager

NEWFIELD PRODUCTION COMPANY

MONUMENT FEDERAL 42-18-9-16Y, FEDERAL 10-22-9-16, FEDERAL 6-24-9-16

Cause No. UIC-425

Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 Via e-mail ubslegals@ubmedia.biz

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 Via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jan Sweet



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 23, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-425

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>isweet@utah.gov</u>.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Executive Secretary

Enclosure





Jean Sweet < sweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-425

1 message

Cindy Kleinfelter < ckleinfelter@ubmedia.biz>
To: Jean Sweet < jsweet@utah.gov>

Thu, Jul 24, 2014 at 2:52 PM

On 7/23/2014 11:20 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet Executive Secretary Utah Division of Oil, Gas and Mining 801-538-5329

Received. It will be published July 29. Thank you. Cindy



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

July 23, 2014

Via e-mail: naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-425

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Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

> Sincerely, July Sweet

Jean Sweet

Executive Secretary

Enclosure









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DIV OF OIL-GAS & MINING

Payor Customer

DIV OF OIL-GAS & MINING

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801-538-5340

Payor Phone

801-538-5340

Account#

9001402352

Payor Account

9001402352

Address

1594 W NORTH TEMPLE STE 1210,

SALT LAKE CITY UT 84116-3154 USA

Payor Address

1594 W NORTH TEMPLE STE 1210,

SALT LAKE CITY UT 84116-3154

Fax

801-359-3940

Ordered By

Acct. Exec

EMail

juliecarter@utah.gov

Jean

mfultz

Total Amount

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Payment Amt

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Position

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BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-425

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 18, 22, AND 24, TOWNSHIP 9 SOUTH, RANGE 10 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Morrument Federal 42-16-9-16Y well located in SE/4 NE/4,
Section 18, Township 9 South, Range 16 East
API 43-013-31724
Federal 10-22-9-16 well located in NW/4 SE/4, Section 22,
Township 9 South, Range 16 East
API 43-013-3166
Federal 6-24-9-16 well located in SE/4 NW/4, Section 24,
Township 9 South, Range 16 East
API 43-013-32662

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zores in the Green River Formation will be used for water injection. The maximum requested injection pressures and rares will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 22rd day of July, 2014.

972678

STATE OF UTAH DIVISION OF OIL, GAS & MINING

Brad Hill Permitting Manager

UPAXLP

7/23/201411:48:21AM

1



Newfield Exploration Company

1001 17th Street | Suite 2000 Denver, Colorado 80202 PH 303-893-0102 | FAX 303-893-0103

July 3, 2014

RECEIVED
JUL 08 2014

DIV. OF OIL, GAS & MINING

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE:

Permit Application for Water Injection Well

Monument Federal #42-18-9-16Y

Monument Butte Field, Lease #UTU-74390 Section 18-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Monument Federal #42-18-9-16Y from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Regulatory Associate

NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL MONUMENT FEDERAL #42-18-9-16Y MONUMENT BUTTE FIELD (GREEN RIVER) FIELD LEASE #UTU-74390

JULY 3, 2014

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```

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR	Newfield Production Company	
ADDRESS	1001 17th Street, Suite 2000	
	Denver, Colorado 80202	

Well Name and numb	per:	Monument	t Federal #4	42-18-9-16Y					
Field or Unit name: I	Monument B	utte (Green	River)				Lease No.	UTU-7439	00
Well Location: QQ _	SENE	section	18	township	98	range	16E	county	Duchesne
Is this application for	·					_			
Will the proposed we	ii be used to	r.	Disposal?	Recovery?		Yes[]	No [X]		
Is this application for If this application is for has a casing test be Date of test: API number: 43-01	or an existing een performe	well,							
Proposed injection in Proposed maximum i Proposed injection zo mile of the well.	njection: one contains		gas, and/or						
List of Attachments.	IMPOR	<u> </u>	accompan	y this form.	as required	d by R618	5-5-2 should		
List of Attachments: _		Attachmer	nts "A" throu	ugn n-ı					
		•	o the best o	of my knowle _ Signature _ Date _	dge.		2019		-
(State use only) Application approved Approval Date	by					_Title -			-

Comments:

Monument Federal 42-18-9-16Y

Proposed Injection

Spud Date: 03/10/97 Put on Production: 4/10/97 GL: 6064' KB: 6078'

Initial Production: 23.5 BOPD, 13.5 MCFPD, 1 BWPD



CSG SIZE: 8-5/8" GRADE: J-55

WEIGHT:24# DEPTH LANDED: 261'

HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" + 2% CaCl₂ + 1/4#/sx Cello Flake

FRAC JOB

Packer @ 5124'

5207'-5210'

5214'-5217'

5228'-5241'

5280'-5292'

PBTD @ 5825' SHOE @ 5869'

TD @ 5900'

3/27/97 5174'-5292'

Frac G3, G4 sands as follows:

30,600# 20/40 sand and 69,200# 16/30 sand in 719 bbl 2% KCL water. Avg. Treating pressure of 1850 psi @ 34.5

BPM, ISIP 1900 psi.

10/27/04 Tubing Leak. Update rod and tubing

details

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 138 jts (5859') DEPTH LANDED: 5869' HOLE SIZE: 7-7/8"

CEMENT DATA: 145 sxs Prem Lite Plus + 10% gel _6#/sx BA-981 +

.5% sod met + 2#/sx Kol seal + 1/4#/sx Cello Flake

Top of Cement: 1050'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 170 jts (5258.81')
TUBING ANCHOR: 5268.81'
NO. OF JOINTS: 2 jts (62.02')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5333.63' KB
NO. OF JOINTS: 1 Perf sub (4.0')

TOTAL STRING LENGTH: EOT @ 5370.19'

PERFORATION RECORD

 3/26/97
 5280'-5292'
 2 JSPF
 06 holes

 3/26/97
 5228'-5241'
 2 JSPF
 06 holes

 3/26/97
 5214'-5217'
 2 JSPF
 06 holes

 3/26/97
 5207'-5210'
 2 JSPF
 26 holes

 3/26/97
 5174'-5177'
 2 JSPF
 24 holes

NEWFIELD

Monument Federal 42-18-9-16Y

2007 FNL & 388 FEL SE/NE Sec. 18, T9S R16E Duchesne, County API# 43-013-31724; Lease# UTU-74390

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
 - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17th Street, Suite 2000 Denver, Colorado 80202

A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Monument Federal #42-18-9-16Y from a producing oil well to a water injection well in Monument Butte (Green River) Field.

A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Monument Federal #42-18-9-16Y well, the proposed injection zone is from Garden Gulch to Castle Peak (4036' - 5825'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3710' and the TD is at 5900'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Monument Federal #42-18-9-16Y is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-74390) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 261' KB, and 5-1/2", 15.5# casing run from surface to 5869' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1866 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Monument Federal #42-18-9-16Y, for existing perforations (5174' - 5292') calculates at 0.80 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1866 psig. We may add additional perforations between 3710' and 5900'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Monument Federal #42-18-9-16Y, the proposed injection zone (4036' - 5825') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-19.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A M-7 N-8 M-8 23-7 Lease Number 10-7 9-7 12-8 U-52018 11-8 10-8 12-8T Q-8 UTU-64379 R-7 UTU-74390 **S-7** Q-7 **S-8** Half-Mile Buffer 125-7 P-8 13-7 15-7 Well Status 16-7 13-8 Location 14/7 X-7 Surface Spud U-7 -12 V-7 W-7 B-17 Drilling Waiting on Completion 3-17 5-17 41-18Y 31-18Y Producing Oil Well 108-18 4A-18 2-17 • H-17 3-18 Producing Gas Well Water Injection Well i-180 J-18 H-18 UTU-74390 G-18 Water Disposal Well Dry Hole 5-18 Temporarily Abandoned 42-18Y 7-17 7-18 Plugged & Abandoned Shut In N-180 M-18 M-17 0-17 Well Surface Location 217 o-18 N-17-52018 10-17 12-18 9-18 11-18₀ 11-17 12頁7 R-17 R-18 Q-17 5-170 Q-18 16-18 P-17 P-18 Mon Fed 42-18Y-9-16 Section 18, T9S-R16E 15-17 24-17 13-18 44-17 1518 13-17 V-17 **NEWFIELD** X-18 B-19 C-19 d D-20 d C-20 & ROCKY MOUNTAINS1 in = 1,250 feet 31-20G 🧉 3-20 1/2 Mile Radius Map 1-19 4-19 2-19 G-20 0 **Duchesne County** H-19 G-19 H-20 • 1001 17th Street Suite 2000 Denver, Colorado 80202 Phone: (303) 893-0102 March 13, 2014

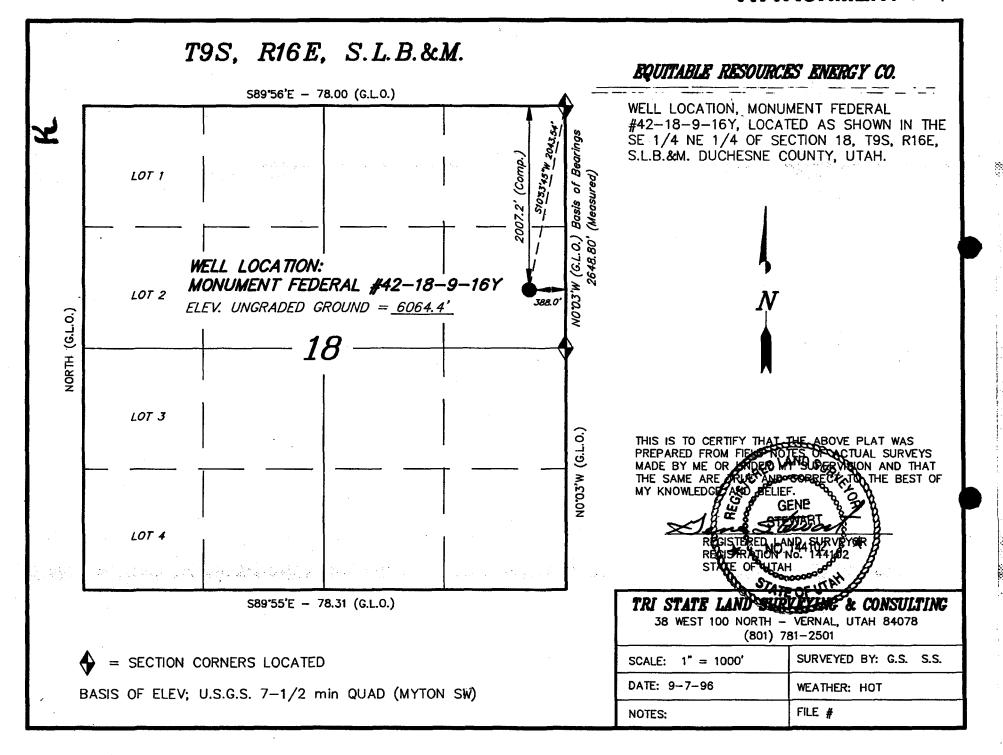


EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 17: S2	UTU-52018	Newfield RMI LLC	
	Section 20: N2	НВР		
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC	
	Section 9: SWSW	НВР	Yates Petroleum Corp	
	Section 17: NE			
	Section 18: E2SW, SE, LOTS 3,4			
	Section 19: NE, E2NW, LOTS 1,2			
	Section 21: N2			
	Section 22: W2NE, SENE, NW			
3	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 6: All	UTU-74390	Newfield RMI LLC	
	Section 7: All	НВР	ABO Petroleum Corporation	
	Section 8: W2		MYCO Industries Inc	
	Section 17: NW		OXY Y-1 Company	
	Section 18: NE, E2NW, Lot1,2		Yates Petroleum Corporation	

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

KE:	Monument Federal #42-18-9-16Y
	v certify that a copy of the injection application has been provided to all surface owners within a f mile radius of the proposed injection well.
Signed:	Newfield Production Company Jill Loyle Regulatory Associate
	o and subscribed before me this 3 day of , 2014. Public in and for the State of Colorado: (MAL)
-	nmission Expires: $\frac{12}{3}$ / $\frac{3}{15}$
	LYDIA BIONDO Notary Public State of Colorado

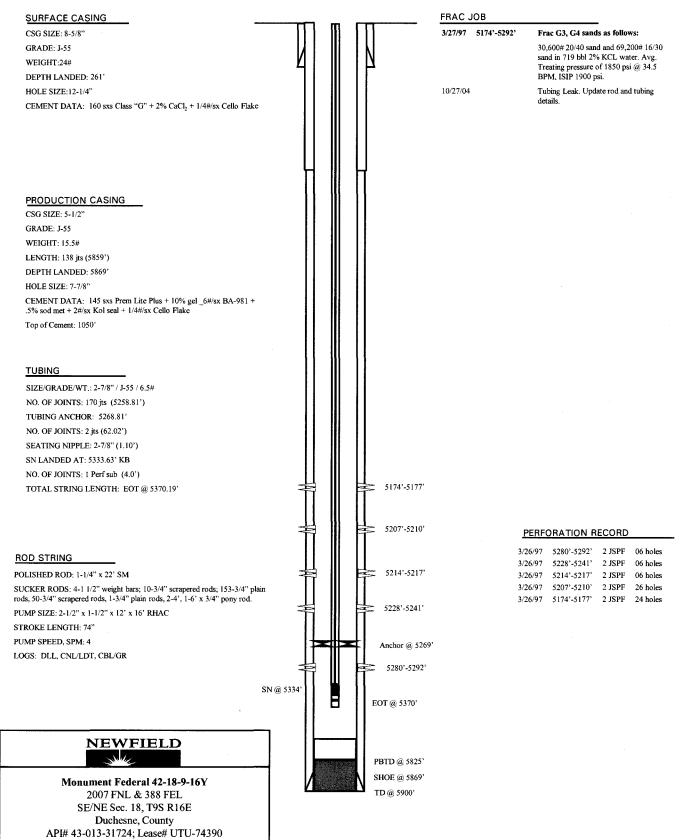


Monument Federal 42-18-9-16Y

Spud Date: 03/10/97 Put on Production: 4/10/97 GL: 6064' KB: 6078'

Wellbore Diagram

Initial Production: 23.5 BOPD, 13.5 MCFPD, 1 BWPD



Monument Federal 31-18-9-16

Spud Date: 02/13/97 Put on Production: 3/17/97 GL: 5884' KB: 5895'

Injection Wellbore Diagram

Initial Production: 50 BOPD, 58 MCFPD, 0 BWPD

FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" 3/03/97 4757'-4894" Frac as follows: Top of Cement @ Surface 116,740# 16/30 sand in 839 bbl 2% KCL frac GRADE: J-55 fluid. Average treating press. 2300 psi @ 41 bpm. ISIP 2250 psi. WEIGHT:24# LENGTH: 6 jts. (249.75') 3/06/97 4056'-4108' Frac as follows: Casing Shoe @ 260' 110,110# 16/30 sand in 730 bbl 2% KCl frac DEPTH LANDED: 260' KB fluid. Average treating press. 1950 psi @ 26.7 HOLE SIZE: 12-1/4" bpm. ISIP 2100 psi. CEMENT DATA: 185 sxs Class "G". Circulate 4 bbls. cement to surface. 8/28/00 Pump change. Update rod and tubing details. 11/9/05 Pump change. Update rod and tubing details. 8/17/07 Pump change. Update rod & tubing detail. 03/22/12 Convert to Injection Well 03/28/12 Conversion MIT Finalized - update tbg PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55

WEIGHT: 15.5#

LENGTH: 133 jts. (5664.68') DEPTH LANDED: 5675' KB HOLE SIZE: 7-7/8"

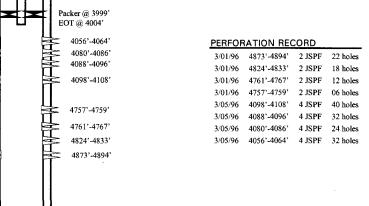
CEMENT DATA: 250 sxs Prem Lite Plus. Tail w/ 570 sxs 50/50 poz.

Circulate 15 bbls. cement to surface.

TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 128 jts (3985.1') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 3995.1' CE @ 3999.47°

TOTAL STRING LENGTH: EOT @ 4004'



PBTD 5627'

TD 5700'



Monument Federal 31-18-9-16

648' FNL & 1992' FEL

NWNE Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-31725; Lease #UTU-74390

Monment Federal 41-18-9-16Y Put on Production: 7/19/96 Put on injection: 07/16/02 Injection Wellbore Diagram GL: 6019' KB: 6029' FRAC JOB SURFACE CASING 7/02/96 5244'-5310' 42,168 gals 2% KCL wtr & 54,070 CSG SIZE: 8-5/8' # 20/40 ss and 98,380 # 16/30 ss. Used GRADE: J-55 1004 bbls wtr. Start forced closure flow WEIGHT:24# back @ 1.0 bpm. Flowed back 450 bbls wtr, 0 bbls wtr, and trace of sand. LENGTH: 5 jts. (254.60') 7/08/96 4737'-4965' 18,900 gals 2% KCL wtr & 50,000 #/ DEPTH LANDED: 265' 16/30 ss. No flow back. HOLE SIZE: 12-1/4" 7/08/96 4250'-4307' 22,470 gals 2% KCL wtr and 78,230 #16/30 mesh ss. 32.5 BPOM. Start forced CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf. closure flow back @ .5 bpm, flow back 8/6/01 Tubing job. Updated tubing & rod details. 7/16/02 Convert to injector. 11/07/06 Recompletion (new perfs) TOC @ 900' 11-03-06 5698'-5661' Frac CP1 and CP2 sand as follows: PRODUCTION CASING 19,014# 20/40 sand in 209 bbls lighning CSG SIZE: 5-1/2" 17 frac fluid, treated w/ avg press of 3000psi @ avg rate of 14.6 BPM. ISIP @ GRADE: J-55 1970 psi. Calc flush 2507, Acutal flush WEIGHT: 15.5# 11/15/12 Concentric Injection Procedure completed LENGTH: 137 jts. (5874') - dual injection lines installed - 2 packers set. DEPTH LANDED: 5884' KB 11/20/12 MIT Finalized - tbg detail updated HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Super "G" & 360 sxs 50/50 POZ. CEMENT TOP: 900' per CBL 6/26/96 Packer 4202' 4250'-4254' **TUBING** 4290'-4300' SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 4304'-4307 TBG HANGER 5-1/2" / J-55 / 0.5 NO. OF JOINTS: 134 jts. (4187.4') HRP PKR 5-1/2" @ 4202' TBG 20 jts (621.4') X NIPPLE 2-7/8" AT: 4826.5" PERF SUB AT: 4827.6' 4737'-4742' TBG 1 it (28.7') PBR AT: 4862.53 X/N Nipple @ 4826' Perforated Sub @ 4828' ARROW #1 PKR CE AT: 4869' RE-ENTRY GUIDE AT: 4873.5' PBR Stinger @ 4871' Packer 4869' PERFORATION RECORD 1.9 EOT @ 4871' 2-7/8 EOT @ 4880' CONCENTRIC STRING 4250'-4254' 4 SPF 16 holes 4290'-4300' 4 SPF 40 holes 4959'-4965' (reperf) 4304'-4307' 4 SPF 12 holes TBG HANGER 2-3/8" / J-55 (0.5') 4737'-4742' 7 holes 1.9" IJ / 2.76# / J-55 TBG PUP TOP AT: 10" 11/02/06 4959'-4965' 7 holes (reperf) 5244'-5255' 22 holes 1.9" IJ / 2.76# / J-55 TBG PUP TOP AT: 43' 5258'-5264' 2 SPF 12 holes 5244'-5255' 1.90" IJ / 2.76# / J-55 TBG: 144 jts (4818.3') 5273'-5277' 2 SPF 8 holes 5258'-5264' 5283'-5295' 2 SPF 24 holes PBR STINGER AT" 4871' (2.8') 5301'-5310' 2 SPF 5273'-5277' TOTAL STRING LENGTH: EOT @ 4880' 11/02/06 5661'-5670' 4 JSPF 36 holes 11/02/06 5684'-5698' 4 JSPF 5283'-5295' 56 holes 5301'-5310' 5661'-5670' 5684'-5698' NEWFIELD PBTD @ 5838* Monument Federal 41-18-9-16 497' FNL & 424' FEL TD @ 5900' NENE Section 18-T9S-R16E

Spud Date: 06/20/96

Duchesne Co, Utah API #43-013-31646; Lease #U-74390

Greater Monument Butte U-7-9-16

Spud Date: 11/12/2011 Wellbore Diagram Put on Production: 1/20/2012 GL: 6016' KB: 6260 FRAC JOB 6029 1/4/2012 5822-5999 Frac CP1, CP2 and CP4, sands as follows: Frac with 65062# 20/40 white sand in 847 SURFACE CASING bbls Lightning 17 fluid. CSG SIZE: 8-5/8" 1/11/2012 5387-5421' Frac LODC, sands as follows: Frac with 70399# 20/40 white sand in 553 GRADE: J-55 bbls Lightning 17 fluid. WEIGHT: 24# 1/11/2012 5111-5270' Frac B1, B2 and A1, sands as follows: LENGTH: 7 its. (318') Frac with 60374# 20/40 white sand in 481 bbls Lightning 17 fluid. DEPTH LANDED: 320.32' KB 1/11/2012 4809-4875 Frac DS3 and D1, sands as follows: HOLE SIZE: 12-1/4" Frac with 89731# 20/40 white sand in 718 CEMENT DATA: 160 sxs Class "G" emt bbls Lightning 17 fluid. 1/11/2012 4521-4667' Frac PB8, PB10 and PB11, sands as follows: Frac with 70179# 20/40 white sand in 550 bbls Lightning 17 fluid. PRODUCTION CASING Frac GB4 and GB6, sands as follows: 1/11/2012 4303-4401' Frac with 64722# 20/40 white sand in 501 CSG SIZE: 5-1/2" bbls Lightning 17 fluid. GRADE: J-55 EOT @ 4255' WEIGHT: 15.5# LENGTH: 156 jts. (6346.63') - Including Shoe Joint (41.58') 4303-4304' 4318.5-4319.5' 4329.5-4330.5' DEPTH LANDED: 6365.24' KB HOLE SIZE: 7-7/8" 4339-4340' 4399-4401 CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. CEMENT TOP @: 1' 4521-4523' 4586-4588 TUBING 4598.5-4599.5 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 4665-4667 NO. OF JOINTS: 136 jts. (4240.1') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 4253.1' KB 4809-4811 NOTCHED COLLAR: 4254.2' KB 4860-4862 TOTAL STRING LENGTH: EOT @ 4255' KB 4867-4868 4873-4875 PERFORATION RECORD 5997-5999 3 JSPF 6 holes 5856-5857 3 JSPF 3 holes 5847-5848 3 JSPF 3 holes 5111-5112' 5830-5831 3 JSPF 3 holes 5131-5132' 5826-5827' 3 JSPF 3 holes SUCKER RODS 5822-5823 3 JSPF 3 holes 5420-54213 3 JSPF 3 holes 5256-5257 POLISHED ROD: 5268-5270 5416-5417 3 JSPF 3 holes SUCKER RODS: 5412-5413 3 JSPF 3 holes 5399-5401' 3 JSPF 6 holes PUMP SIZE: 5387-5388 5391-5392 3 JSPF 3 holes STROKE LENGTH: 5399-5401 5387-5388 3 JSPF 3 holes 5412-5413 PUMP SPEED: 5268-5270' 3 JSPF 6 holes 5420-5421 5256-5257 3 JSPF 3 holes 5251-5252' 3 JSPF 3 holes 5131-5132' 3 JSPF 3 holes 5111-5112 3 JSPF 3 holes 5822-5823 4873-4875 3 JSPF 6 holes 5826-5827' 5830-5831' 5847-5848' 4867-4868 3 JSPF 3 holes 4860-4862' 3 JSPF 6 holes 5856-5857 4809-4811' 3 JSPF 6 holes 5997-5999 **NEWFIELD** 4665-4667 3 JSPF 6 holes 4598.5-4599.5 3 JSPF 3 holes 4586-4588 3 JSPF 6 holes 4521-4523' 3 JSPF 6 holes **Greater Monument Butte U-7-9-16** PBTD @ 6321' 4399-4401 3 JSPF 6 holes 546' FNL & 671' FWL (SW/NW) TD @ 6382' 4339-4340' 3 JSPF 3 holes Section 17, T9S R16E 4329.5-4330.5' 3 JSPF 3 holes Duchesne County, Utah API #43-013-50699; Lease #UTU-74390 4318.5-4319.5' 3 JSPF 3 holes 4303-4304' 3 JSPF 3 holes

Nine Mile 16-7-9-16

Spud Date: 3/23/98 Initial Production: 205.5BOPD, Put on Production: 4/13/01 Injection Wellbore 442.1 MCFD, 70 BWPD GL: 5999' KB: 6009' Diagram SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 5698-5738 Frac CP sands as follows: Frac with 91,020# 20/40 sand in 674 bbls Viking I-25 fluid. GRADE: J-55 Perfs broke down @ 2126 psi. Treated @ avg WEIGHT: 24# press of 1700 psi w/avg rate of 29.3 BPM. . ISIP 1850 psi. LENGTH: 7 jts. (294.6') 4/4/01 5370'-5450' Frac LDC sand as follows: Frac with DEPTH LANDED @ 305.103 TOC @ 250' 161,000# 20/40 sand in 1046 bbls Viking I-25 HOLE SIZE:12-1/4" fluid. Treated @ avg press of 2700 psi w/avg rate28.7 BPM.. ISIP 3090 psi. CEMENT DATA: 120 sxs Class "G" cmt 4/5/01 5264-5340 Frac A-3/LDC sands as follows: Frac w/140,400# 20/40 sand in 925 bbls Viking I-25 fluid. Perfs broke down @ 3121 psi. Treated @ avg press of 2550 psi w/avg rate of 31 BPM. ISIP 2530 psi. PRODUCTION CASING Frac A sands as follows: Frac with 130,440# CSG SIZE: 5-1/2" 4/6/01 5146-5190 20/40 sand in 852 bbls Viking I-25 fluid. Perfs GRADE: J-55 broke down @ 2700 psi. Treated @ avg press WEIGHT: 15.5# of 2050 psi w/avg rate of 30.3 BPM. ISIP 1950 psi. LENGTH: 141 jts. 5959.62' Frac B sand as follows: Frac with 94,800# 4/9/01 4980-50523 DEPTH LANDED @ 5955.22* 20/40 sand in 648 bbls Viking I-25 fluid. Perfs broke down @ 2500 psi. Treated @ avg press of 2050 psi w/avg rate 27.3 BPM.. ISIP 2020 CEMENT DATA: 275 sk Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP AT: 250' 4/10/01 4760-47843 Frac D sands as follows: Frac with 82,840# 20/40 sand in 544 bbls Viking I-25 fluid. Perfs broke down @ 2581 psi. Treated @ avg press of 1800 psi w/avg rate of 29.2 BPM. ISIP 2010 psi. 2/20/02 Tubing leak. Update rod and tubing details. 1/22/04 Pump change. Update rod and tubing details. SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 11/10/04 4313-4327 Frac GB6 sands as follows: 25,477# 20/40 NO. OF JOINTS: 136 jts (4229.4') sand in 318 bbls Lightning 17 frac fluid.

Treated @ avg press of 2125 psi w/avg rate of SEATING NIPPLE: 2-7/8" (1.10') 25 BPM. ISIP 1880 psi. Calc. flush: 4311 SN LANDED AT: 4239.4' KB gals. Actual flush: 4102 gals. CE @ 4243 7' Frac GB4 sands as follows: 62,560# 20/40 Packer @ 4244 11/10/04 4260-4275 sand in 443 bbls Lightning 17 frac fluid. Treated @ avg press of 2297 psi w/avg rate of TOTAL STRING LENGTH: EOT @ 4248' EOT @ 4248' 25 BPM. ISIP 2310 psi. Calc. flush: 4258 4313-4327 gals. Actual flush: 4049 gals. 08/10/06 Pump Change. Update rod and tubing details. = 4760-4764° 08/09/10 Convert to injection well 4768-4777 08/12/10 MIT Completed - tbg detail updated 4780-4784 4980-4990' 4994-5000' 5048-5052 5146-5164' 5184-5190' 5264-5270 5308-5328 5336-53403 5370-5388 5430-5450" PERFORATION RECORD 4/3/01 5734'-5738' 4 JSPF 16 holes 4 JSPF 4/3/01 5698'-5716' 72 holes 80 holes 5698-5716 4/4/01 5430'-5450' 4 JSPF 5734-5738 4/4/01 5370'-5388' 4 ISPF 72 holes 5336'-5340' 4/5/01 4 JSPF 16 holes 4/5/01 5308'-5328' 80 holes 4/5/01 5264'-5270' 4 ISPE 24 holes 5184'-5190' 4/6/01 4 JSPF 24 holes 4/6/01 5146'-5164' 4 JSPF 72 holes 4/9/01 5048'-5052' 4 ISPE 16 holes NEWFIELD 4/9/01 4994'-5000' 4 JSPF 24 holes PBTD @ 5937' 4/9/01 4980'-4990' 4 JSPF 40 holes 4/9/01 4780'-4784' 4 JSPF SHOE @ 5955 NINE MILE 16-7-9-16 4/9/01 4768'-4777 4 JSPF 36 holes TD @ 5967' 4/9/01 4760'-4764' 4 JSPF 16 holes 660' FSL & 660' FEL 4313'-4327' 2 JSPF 28 holes 11/10/04 4260'-4275' 2 JSPF 30 holes SESE Section 7-T9S-R16E Duchesne Co. Utah

API #43-013-31804; Lease #UTU-74390



Schematic

ATTACHMENT E-5

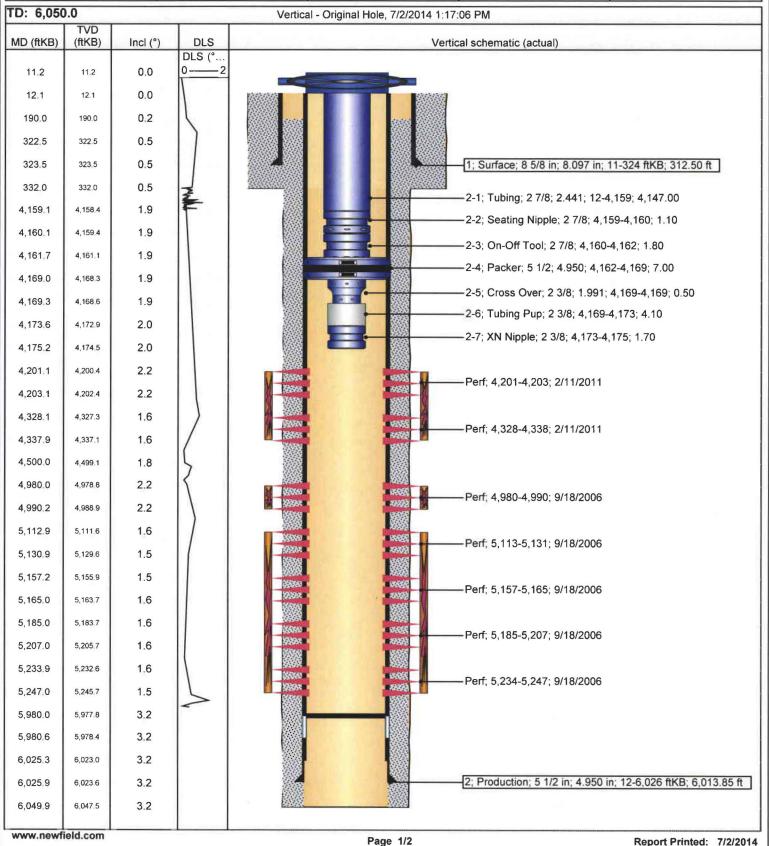
Well Name: Federal 12-17-9-16

AACII IA	airie. I ederai i	2-17-3-10							
Surface Lega	al Location			API/UWI	Well RC	Lease	State/Province	Field Name	County
17-9S-16	E			4301333035000	0 500155832		Utah	GMBU CTB3	DUCHESNE
Spud Date	Rig Release Date	On Production Date 9/19/2006	Onginal KB Elevation	(ft) Ground	Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole -	5 979 9

 Most Recent Job

 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Production / Workover
 Conversion
 Basic
 2/10/2014
 2/13/2014





Schematic

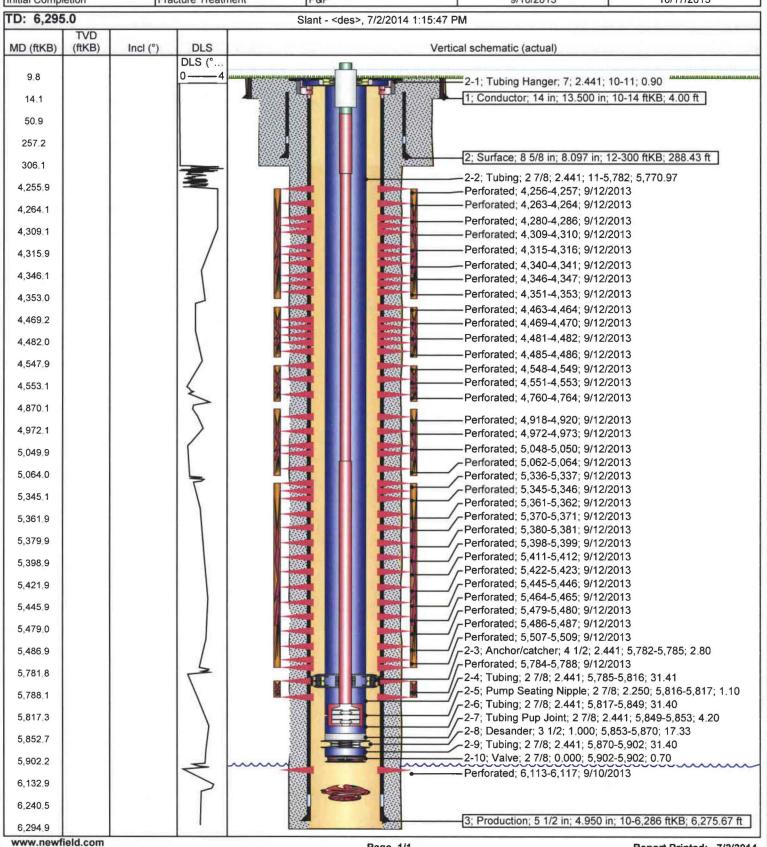
ATTACHMENT E-6

Well Name: GMBU N-17-9-16

Surface Legal Location					API/UWI We		Lease	State/Province	Field Name	County
SENW 1965 FN	NL 2048 FWL Sec	17 T9S R16E M	ler SLB	4301351	5810000	500335182	UTU74390	Utah	GMBU CTB3	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation	(ft)	Ground E	levation (ft)	Total Depth All (TVI) (ftKB)	PBTD (All) (ftKB)	
8/16/2013	9/2/2013	10/4/2013	6,016		6,006				Original Hole -	6,239.0

 Most Recent Job
 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Initial Completion
 Fracture Treatment
 P&P
 9/10/2013
 10/17/2013



NEWFIELD

GMBU J-18-9-16 Monument Butte - Duchesne County, Utah, USA

Surf Location: SW/NW - Sec 17, T9S, R16E; 1,876' FNL & 858' FWL

Ca S Property III	Casing Surf Prod Top		Bottom 324' 6,343' Coupling 8EUE	Size 8.625 5.500 Size 2-7/8"	Wt 24# 15.5# Wt. 6.5#	Grade J-55 J-55 Grade J-55	Drift 7.972" 4.825" Drift 2.347"	Burst 2,950 4,810 Burst	1,370 4,040	3-013-51169 ID 8.097" 4.950"	gal/ft 2.6749	Coupling STC	Hole 12.250			- 	Sp	ud Date: 10/	11/12; PoP Date	: 1/31/1:
S Pri DELYII DEL	Surf Prod Top 10' Sish Rod er Guided Fer Guided Rod	10' 10' Bottom 5,826' Component	324' 6,343' Coupling 8EUE	8.625 5.500 Size 2-7/8"	24# 15.5# Wt. 6.5#	J-55 J-55 Grade	7.972" 4.825" Drift	2,950 4,810	1,370 4,040	8.097"	2.6749				ПП	<u>- II</u>	T			
Pollstr Pollstr Aper C Guide T 4,3	Prod Top 10' lish Rod er Guided Fer Guided Rod	10' Bottom 5,826' Component	6,343' Coupling 8EUE	5.500 Size 2-7/8"	15.5# Wt. 6.5#	J-55 Grade	4.825" Drift	4,810	4,040	-		STC	12.250		# E I	- 11				
Pollstr Pollstr Aper C Guide T 4,3	Top 10' lish Rod er Guided Fer Guided Rod	Bottom 5,826' Component	Coupling 8EUE	Size 2-7/8"	Wt. 6.5#	Grade	Drift			4.950"										
Polish Aper of Guide tage To 4 4,7	10' lish Rod er Guided Fer Guided Rod	5,826' Component	8EUE	2-7/8"	6.5#			Burst	Callance		0.9997	LTC	7.875							
Polishing Aper Conductive Guides	lish Rod er Guided f er Guided f ided Rod	Component Rod				J-55	2 347"		Collapse	ţD		Packer/Hang	jer		4			N		
Polishing Aper Conductive Guides	lish Rod er Guided f er Guided f ided Rod	Rod		Тор	Pottor-		2.017	7,260	7,680	2.441"	Tubing And	hor Set @	5,728'		7				8-5/8"Shoe @ 3	24'
Guide tage Te 4 4,7	lish Rod er Guided f er Guided f ided Rod	Rod		Тор	Dottor-	_					<u> </u>							ļ		
Guide tage Te 4 4,7	er Guided F er Guided F ided Rod				Bottom	Size	Grade	Length	Count			ump						1		
Guide tage Te 4 4,7	er Guided i ided Rod				30'	1 1/2"	C(API)	30'	1	1	2.5 Max ID	x 1.75 Plunge	r RHAC @		11	- 11		ļ		
Guide tage Te 4 4,7	ided Rod	Rod		30'	1,880'	7/8"	Tenaris D78	1,850'	74	5,755'	,755'							İ		
4 4,7				1,880'	5,055'	3/4"	Tenaris D78	3,175'	127	ł					11					
4 4,7	Тор			5,055'	5,755'	3/4"	Tenaris D78	700'	28						11					
4,7		Bottom	SPF	EHD	Date	Formation:		64	DS3	ummary										
	4,731'	4,732'	3	0.34		20/40 White:		D1 64,241		15% HCI:		,) colo		11					
4,	4,737	4,739'	3	0.34	1710/2010	Pad:		1,798		Treating Flu	riel ·		0 gals 8 gals		11			1		
	4,796	4,800'		0.34	1/16/2013	Flush:		4,712		Load to Red		21,218	-		11					
*******						ISIP=			psi/ft	Max STP:		2,73								
3 5,1	5,177'	5,178'	3	0.34	1/16/2013	Formation:		A1	***************************************	**************************************	************									
	5,181'	5,183'	3	0.34	1/16/2013	20/40 White:		20,166	bs	15% HCI:		252	2 gals							
						Pad:		1,999	gals	Treating Flu	iid:	5,684	4 gals		I I					
						Flush:		5,149	gals	Load to Red	cover:	13,084	4 gals					ļ		
						ISIP=		0.913	psi/ft	Max STP:		3,400	0 psi		- 11	- 11		1		
2 5,3	5,356'	5,360'	3	0.34	1/16/2013	Formation:		LODC												
						20/40 White:	•	40,665	lbs	15% HCI:		252	2 gals		₽ L	للـــــــــــــــــــــــــــــــــــــ		ŀ		
						Pad:		2,730	gals	Treating Flu	ıid:	8,315	5 gals		- ∦ [
						Flush:		5,355	gals	Load to Red	cover:	16,652	2 gals							
			V 1 - 0 - 003 - 03 - 02	or constitution without		ISIP=	NAME OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN PERSON A	0.860	psi/ft	Max STP:		2,798	3 psi			2		EOT	@ 5826'; TA @	5 728 '
1 5,7	5,767	5,770'	3	0.34	1/14/2013	Formation:		CP2							11			5-	-1/2"Shoe @ 634	3.
					<u> </u>	20/40 White:	:	15,615		15% HCI:		630	0 gals		11				PBTD @ 6300'	
_						Pad:		3,599		Treating Flu			7 gals			V.		ł	TVD @ 6211'	
_						Flush:		5,775	-	Load to Rec	cover:		2 gals			****		1	BHST = 190°F	
						ISIP=		0.760		Max STP:		3,656			1000					
Se S	Surf	On 10/15/12	Baker cemen	ted 8 5/8" ca	sing w/ 160 sl	us Class "G" +	- 2% KCI + 0.:	25#/sk Cello	Flake at 15.8	ppg w/ 1.17 y	rield and retu	med 5 bbis to	the pit.							
Pr							-													

NEWFIELD

Surf

GMBU H-18-9-16

Monument Butte - Duchesne County, Utah, USA

Surface location: SE/NW Sec 18, T9S, R16E; 1937' FNL & 1990' FWL

DLB 11/29/12

6083' GL 10' KB

AP#: 43-013-51171; Lease#: UTU-74390 Spud Date: 9/12/12; PoP Date: 10/29/12 Size Wt Grade Drift Burst Collapse bbl/ft Coupling Hole CASING DETAIL 7 972" Surf 10' 312 8.625" 24# J-55 2 950 1,370 8.097" 2.6749 STC 12.250 Prod 10' 6,370' 5.5" 15.5# J-55 4.825" 4,810 4,040 4.950" 0.9997 LTC 7.875 Coupling Grade Top Botton Size Wt. Drift Burst Collanse ID. Packer/Hanger TBG. DETAIL Tubing Anchor Set @ 6.013 8FLIE 2-7/8" 6.5# J-55 2 347" 7,260 7 680 2 441" 8-5/8"Shoe @ 312" Тор Bottom Size Grade Length Count Pump sert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ DETAIL Polish Rod 30' 1 1/2" Spray Meta 30' 1 4' Spray Metal .003, CPID Barrel ony Rod 30' 46' 7/8" Tenaris D7 16' 2 5.946 4per Guided Rod 46' 7/8" 76 1,946 Tenaris D78 1,900' 8 per Guided Rod 1,946 5.246 3/4" Tenaris D78 3.300 132 er Guided Rod 5,246 5.946 7/8" Tenaris D78 700 28 Frac Summary SPF Gun Size Date Top 4,286 4,287 10/16/2012 10/16/2012 20/40 White: 15% HCL: 4.303 4.305 3 2' 157,682 lbs 0 gals 4,313 Pad: 1,504 gals Treating Fluid: 36,044 gals 10/16/2012 Total Load to Rec: 4,259 gals 41.807 gals 4.330 4.333 3 3' 10/16/2012 ISIP= 0.880 psi/ft Max STP: 1,941 psi PB-10 4,552 4,555 3 3' 10/16/2012 20/40 White: 4,567 10/16/2012 50,964 lbs 15% HCL: 685 gals 4,564 Treating Fluid: 1,856 gals 11,953 gals Flush: Total Load to Rec: 4,574 gals 19,068 gals ISIP= 0.940 psi/ft Max STP: 2,818 psi 5,054 5,058' 10/16/2012 3 4' 20/40 White: 15% HCL: 5.062 5,064 3 2' 10/16/2012 63,787 lbs 664 gais Pad: 1,252 gais Treating Fluid: 14,717 gals Total Load to Rec: 5,053 gals 21,685 gals Max STP: 0.920 psi/ft 3,195 psi 5,763 5,765' 10/16/2012 Formation: CP-2 CP-1 5,770 5,771 20/40 White 46,720 lbs 15% HCL: 1,172 gals 10/16/2012 5,793 5,797 4' 10/16/2012 5,179 gals Treating Fluid: 10,580 gals 5,792 gals Total Load to Rec: 22,722 gals Max STP: 0.770 psi/ft 3,750 psi 5,921 5,925' 3 4' 10/13/2012 CP-4 1,655 gals 20/40 White 26,311 lbs 15% HCL: 5-1/2"Shoe @ 6370" 2.818 gals Treating Fluid: 6.653 gals TVD @ 6277 Flush: 5,149 gals Total Load to Rec: 16,275 gals PBTD @ 6323' BHST = 180°F

MD@ 6379

On 9/14/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 8 bbls to the pit.

On 10/2/12 Baker pumped 240 sks lead @ 11 ppg w/ 3.53 yield plus 470 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25 bbls to the pit. TOC @ Surface.

GMBU D-17-9-16

Spud Date: 11/17/2011 PWOP: 01/24/2012

Wellbore Diagram

GL: 5984' KB: 5997' SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (317.6') DEPTH LANDED: 330.92' KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt PRODUCTION CASING 4318-4319 CSG SIZE: 5-1/2' 4322-4323' GRADE: J-55 WEIGHT: 15.5# 4382-4383 LENGTH: 155 jts. (6296.11') Shoe Joint (41.83') 4387-4389 HOLE SIZE: 7-7/8" 4392-4393 DEPTH LANDED: 6314.72' KB CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. CEMENT TOP AT: 200' 4854-4855' 4859.5-4860.5 TUBING 4864.5-4865.5 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 168 jts. (5245.1') 4907-4908' TUBING ANCHOR: 5258.1' KB 4913-4914 NO. OF JOINTS: 1 jt. (31.4') 4926-4927 SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 5292.3' KB NO. OF JOINTS: 2 its. (62.7') NOTCHED COLLAR: 5356.0' KB Anchor @ 5258' TOTAL STRING LENGTH: EOT @ 5356' 5273-5275' 5279-5280' 5284.5-5285.5' SUCKER RODS 5292-5294' POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 66 - 7/8" 4per Guided Rods (1650'), 138 - 3/4" 4per Guided Rods (3450'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1" Guided Rods (20') PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 21' x 24' RHAC STROKE LENGTH: 144" PUMP SPEED: 5 SPM

01/12/2012	5273-5294'	Frac A1, sands as follows

Frac A1, sands as follows: Frac with 65477# 20/40 white sand in 519 bbls lightning 17 fluid; 699 bbls total fluid to

01/14/2012 4854-4927' Frac D1 & D2, sands as follows:

FRAC JOB

EOT @ 5356'

PBTD @ 6270'

TD @ 6328'

Frac with 130430# 20/40 white sand in 1025 bbls lightning 17 fluid; 1141 bbls total

fluid to recover.

01/14/2012 4318-4393' Frac GB4 & GB6, sands as follows:

Frac with 62853# 20/40 white sand in 510 bbls lightning 17 fluid; 612 bbls total

fluid to recover.

PERFORATION RECORD

5292-5294'	3 JSPF	6 holes
5284.5-5285.5'	3 JSPF	3 holes
5279-5280'	3 JSPF	3 holes
5273-5275'	3 JSPF	6 holes
4926-4927'	3 JSPF	3 holes
4913-4914'	3 JSPF	3 holes
4907-4908'	3 JSPF	3 holes
4864.5-4865.5"	3 JSPF	3 holes
4859.5-4860.57	3 JSPF	3 holes
4854-4855'	3 JSPF	3 holes
4392-4393'	3 JSPF	3 holes
4387-4389'	3 JSPF	3 holes
4382-4383	3 JSPF	3 holes
4322-4323'	3 JSPF	3 holes
4318-4319'	3 JSPF	3 holes

NEWFIELD GMBU D-17-9-16

578'FSL & 791' FWL (SW/SW) Section 8, T9S, R16E Duchesne County, Utah API #43-013-50701; Lease # UTU-74390

GMBU V-7-9-16

Spud Date: 11/18/2011 PWOP: 01/06/2012

> Section 18, T9S, R16E Duchesne County, Utah API #43-013-50700; Lease # UTU-74390

Wellbore Diagram

GL: 5887' KB: 5897' FRAC JOB 12/14/2011 5700-5899' Frac CP1, CP2 & CP4, sands as follows: SURFACE CASING Frac with 39522# 20/40 white sand in 487 bbls TOC @ 50' lightning 17 fluid; 691 bbls total fluid to CSG SIZE: 8-5/8" GRADE: J-55 12/22/2011 5173-5186' Frac A1, sands as follows: WEIGHT: 24# Frac with 30094# 20/40 white sand in 242 bbls lightning 17 fluid; 386 bbls total fluid to LENGTH: 7jts (319.61') DEPTH LANDED: 327.61' 12/22/2011 4925-5006' Frac B.5, Bi-Carb & C, sands as follows: HOLE SIZE: 12-1/4" Frac with 60536# 20/40 white sand CEMENT DATA: 160 sxs Class "G" cmt, circ 1 bbl to surf in 471 bbls lightning 17 fluid; 589 bbls total fluid to recover. Frac D1, PB10 & X-stray, sands as follows: 12/22/2011 4488-4760' Frac with 90078# 20/40 white sand in 4202-42043 660 bbls lightning 17 fluid; 767 bbls total fluid to recover. PRODUCTION CASING 4283-42853 Frac GB2 & GB6, sands as follows: 12/22/2011 4202-42893 4288-4289 CSG SIZE: 5-1/2 Frac with 36666# 20/40 white sand in 307 bbls lightning 17 fluid; 385 bbls total GRADE: I-55 WEIGHT: 15.5# 4488-4489 LENGTH: 147jts (6224.82') 4505-4506' HOLE SIZE: 7-7/8" 4597-4599 DEPTH LANDED: 6218.82' 4602-4603 CEMENT DATA: 235 sxs Premlite II & 450 sxs 50/50 POZ. CEMENT TOP AT: 50' per CBL 12/14/11 4757-4758 4760-4760 TUBING (KS 1/6/12) 4925-4926 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 188jts (5960') 4971-4972 PERFORATION RECORD TUBING ANCHOR: 5970' 4982-4983' 5898-5899' 4990-4991 3 JSPF 3 holes NO. OF JOINTS: 1jt (31.3') 5753-5754 4996-4997 3 ISPE 3 holes SEATING NIPPLE: 2-7/8" (1.10') 5729.5-5730.5 3 JSPF 5004-5006 3 holes 5724-5725' 3 JSPF 3 holes SN LANDED AT: 6004.1' 5717-5718 3 JSPF 3 holes 5699.5-5700.5 NO. OF JOINTS: 2jts (62.6') 3 JSPF 3 holes 5184-5186' 3 JSPF 6 holes NOTCHED COLLAR: 2-7/8" (0.5') 5173-5175 5179-5180' 3 JSPF 3 holes TOTAL STRING LENGTH: EOT @ 6068' 5179-5180 5173-5175 3 ISPE 6 holes 5004-5006 5184-5186 3 JSPF 6 holes 4996-4997 3 JSPF 3 holes 4990-49913 3 ISPE 3 holes 4982-4983 3 JSPF 3 holes 4971-4972' 3 JSPF 3 holes SUCKER RODS (KS 1/6/12) 5699.5-5700.5 4925-4926' 3 JSPF 3 holes 4760-4760' 4757-4758' 3 JSPF 3 holes POLISHED ROD: 30' x 1-1/2" Spray Metal Polished Rod 5717-5718' 3 JSPF 3 holes 5724-5725' SUCKER RODS: 8' x 7/8" Pony Rod, 72 x 7/8" 8per 4602-4603 3 JSPF 3 holes Guided Rods, 156 x 3/4" 4per Guided Rods, 5 x 1-1/2" Sinker 5729.5-5730.57 4597-4599° 4505-4506° 3 JSPF 6 holes Bars, 5 x 1" Stabilizer Bars 3 ISPF 3 holes 5753-5754 4488-4489 3 JSPF 3 holes PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 24' RHAC 4288-4289' 3 JSPF STROKE LENGTH: 146" 4283-4285 3 JSPF 6 holes 4202-4204 3 JSPF 5898-5899' 6 holes PUMP SPEED, SPM: 4.9 PUMPING UNIT: DARCO C-640-365-168 Anchor (a) 5970' SN @ 60043 EOT @ 6068' **NEWFIELD** PBTD @ 6194' GMBU V-7-9-16 TD @ 6232' 661'FNL & 1979' FEL (NW/NE)





Schematic

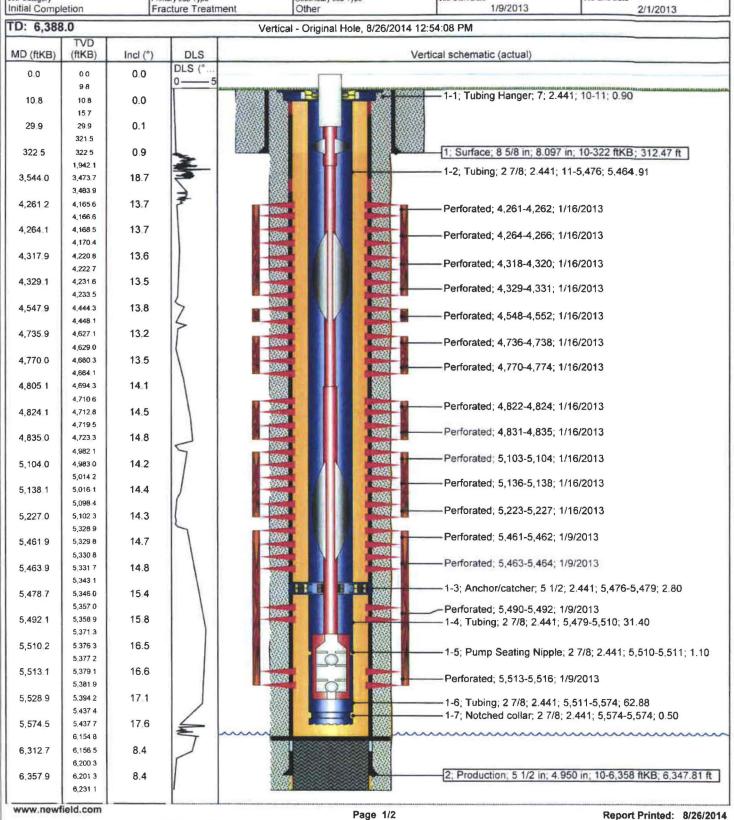
Well Name: GMBU G-17-9-16

43-013-51168

Surface Legal Location 17-9S-16E	n			API/UWI 4301351	- 1	Well RC 500327906	Lease	State/Province Utah	GMBU CTB3	County DUCHESNE
10.000	Rig Release Date 11/3/2012	On Production Date 2/1/2013	Original KB Elevation 5,995	(ft)	Ground El 5,985	evation (ft)	Original Hole -		PBTD (All) (ftKB) Original Hole - (6,311.1

 Most Recent Job
 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Initial Completion
 Fracture Treatment
 Other
 1/9/2013
 2/1/2013



Federal 11-17-9-16

Spud Date: 08/21/06 Put on Production: 09/28/06 K.B.: 6013' G.L.: 6001'

Duchesne Co, Utah
API #43-013-33034; Lease #UTU-52018

Wellbore Diagram

SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 09/19/06 5873-59063 Frac CP5 sands as follows: 30146# 20/40 sand in 375 bbls Lightning 17 GRADE: J-55 TOC @ 80 frac fluid. Treated@ avg press of 2325 psi WEIGHT: 24# w/avg rate of 25.3 BPM. ISIP 2450 psi. Calc flush: 5904 gal. Actual flush: 5376 gal. LENGTH: 7 jts. (310.79') 09/19/06 5532-5580* Frac CP1, CP.5 sands as follows: DEPTH LANDED: 322.64' KB 55661# 20/40 sand in 468 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated@ avg press of 1650 psi w/avg rate of 25.3 BPM. ISIP 1975 psi. Calc CEMENT DATA: 160 sxs Class "G", circ. 6 bbls to surf. flush: 5578 gal. Actual flush: 5040 gal. Frac LODC sands as follows: 09/19/06 5130-5214' 90266# 20/40 sand in 656 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 ps w/avg rate of 25.2 BPM. ISIP 2375 psi. Calc flush: 5212 gal. Actual flush4662 gal. PRODUCTION CASING 09/20/06 4893-50263 Frac A1, A.5, B2 sands as follows: 60197# 20/40 sand in 479 bbls Lightning 17 CSG SIZE: 5-1/2' frac fluid. Treated @ avg press of 1950 psi GRADE: J-55 w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5024 gal. Actual flush: 4410 gal. WEIGHT: 15.5# 09/20/06 4761-4801* Frac B.5, C sands as follows: LENGTH: 140 jts. (6008.45') 50215# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 2225 psi w/avg rate of 28.2 BPM. ISIP 2475 psi. Calc DEPTH LANDED: 6021.70' KB HOLE SIZE: 7-7/8' flush: 4799 gal. Actual flush 4284 gal. CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. 4634-4644 Frac D1 sands as follows: 09/20/06 28453# 20/40 sand in 385 bbls Lightning 17 CEMENT TOP: 80' per CBL 9/13/06 frac fluid. Treated @ avg press of 2311 psi w/avg rate of 14.4 BPM. ISIP 2900 psi. Calc flush: 4642 gal. Actual flush: 4436 gal. 7/25/07 TUBING (GI 3/3/11) Pump change. Updated rod & tubing details. 10/09/08 Pump Change. Rod & tubing updated. SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 10/8/09 Tubing Leak, Updated rod & tubing details. NO. OF JOINTS: 138 its (4368.76') 12/6/10 4179-4320 Frac PB8 & GB6 sands as follows: TUBING ANCHOR: 4380.76 68964# 20/40 sand in 426 bbls Lighting 17 NO. OF JOINTS: 1 its (31.3') 12/11/10 Re-Completion finalized - update rod & tbg SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4414.86 1/12/2011 Tubing Leak. Update rod and tubing detials 03/04/11 Stuck Pump. Rod & tubing details updated. NO. OF JOINTS: 1 jts (31.7') GAS ANCHOR: 4447.66' 2 7/8" NIPPLE: 4462.66' 4179-41813 4296-4298 NO. OF JOINTS: 5 jts (158.7') 4307-4310' BULL PLUG: 2-7/8" (0.8') 4318-4320' TOTAL STRING LENGTH: EOT @ 4622.36' Anchor @ 4381 PERFORATION RECORD SN @ 4415' **SUCKER RODS (GI 3/3/11)** EOT 4622' 09/13/06 5900-5906' 4 JSPF 24 holes POLISHED ROD: 1 1/2" x 26' 09/13/06 5873-58813 4 JSPF 32 holes 4634-4644 09/19/06 5570-5580' 4 JSPF 40 holes SUCKER RODS: 2', 8' x 3/4" pony rods, 75 x 7/8" guided rods(4per), 4761-4768 93 x 3/4" guided rods(4per), 6 x 1-1/2" sinker rods. 09/19/06 5532-5544" 4 ISPE 48 holes 4795-48013 09/19/06 5201-5214' 4 JSPF 52 holes PUMP SIZE: 2-1/2" x 1-3/4" x 16' x 20' RTBC 4893-4899 09/19/06 5160-5166' 4 JSPF 24 holes STROKE LENGTH: 86" 4968-4974 09/19/06 5130-5137' 4 JSPF 28 holes 5019-5026 PUMP SPEED, SPM: .8 09/19/06 5019-5026' 4 JSPF 28 holes 5130-5137 PUMPING UNIT: DARCO C-228-213-86 09/19/06 4968-49743 4 ISPF 24 holes 5160-5166 09/19/06 4893-4899' 4 JSPF 24 holes 5201-52147 09/20/06 4795-48013 24 holes 4 JSPF 09/20/06 4761-4768' 4 JSPF 28 holes 5532-5544 09/20/06 4634-4644' 4 JSPF 40 holes 5570-5580 12/6/10 4318-4320' 3 JSPF 6 holes 3 JSPF 12/6/10 4307-4310' 9 holes 12/6/10 4296-4298 3 JSPF 6 holes 5873-5881 12/6/10 4179-4181' 3 JSPF 6 holes NEWFIELD 5900-59063 PBTD @ 6000 Federal 11-17-9-16 2022' FSL & 1854' FWL TD @ 6030 NE/SW Section 17-T9S-R16E

FRAC JOB

9/18/07 5394-54153

FEDERAL 9-18-9-16

Spud Date: 7/31/08 Put on Production: 9/23/08

Injection Wellbore Diagram

Cement Top @ 137

Casing Shoe @ 308'

GL: 5306' KB: 5318' SURFACE CASING CSG SIZE: 8-5/8' GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (296.14') DEPTH LANDED: 307.99' HOLE SIZE: 12-1/4" CEMENT DATA: To surface with 160 sx Class 'G' cmt PRODUCTION CASING CSG SIZE: 5-1/2'

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 153 jts (6222.42') **DEPTH LANDED: 6076.98**3

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sx Premlite II and 450 sx 50/50 poz

CEMENT TOP: 137'

TUBING

SIZE/GRADE/WT .: 27/8/6.5#/J-55 NO. OF JOINTS: 129 jts (4058.8') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4070.8' ON/OFF TOOL AT: 4071.9' ARROW #1 PACKER CE AT: 4076.653 XO 2-3/8 x 2-7/8 J-55 AT: 4080.3' TBG PUP 2-3/8 J-55 AT: 4080.83 X/N NIPPLE AT: 4084.9'

TOTAL STRING LENGTH: EOT @ 4087'

9/18/07 5166-51823 05/28/08 8/25/08 5052-50643 8/25/08 4958-4962 8/25/08 4682-46883 8/25/08 4352-43583 8/25/08 4212-4226 8/25/08 4122-41323 6/12/09 SN @ 4071' 11/18/2010 On Off Tool @ 4071 , 11/29/2011 Packer 4077' X/N Nipple @ 4085' 10/24/12 EOT @ 4087' 10/25/12 4122-4132 4212-4132 4352-4358' 4378-4384 4682-4688 4936-4942' 4958-4962 5052-5064' 5166-5182 5394-5415

> PBTD @ 5994' TD @ 6150'

Frac LODC sds as follows: 85.173#s of 20/40 sand in 688 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi.

Frac A3 sds as follows: 98,499#'s of 20/40 sand in 773 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi.

Pump change. Updated rod and tubing details

RU BJ & frac A.5 sds as follows: 49,743#s of 20/40 sand in 459 bbls of Lightning 17 frac fluid. Treated@ ave pressure of 2143 w/ ave rate of 22.9 bpm w/8 ppg of sand. ISIP was 2486.

RU BJ & frac stage #2 as follows: 29,943#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1955.

RU BJ & frac stage #3 as follows: 24,780#'s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm $\,w/$ 6 ppg of sand. ISIP was 2000.

RU BJ & frac stage #4 as follows: 40,471#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2224 w/ ave rate of 23 bpm $\,w/$ 8 ppg of sand. ISIP was 2177.

RU BJ & frac stage #5 as follows: 40,033#'s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated@ ave pressure of 1474 w/ ave rate of 23 bpm w/8 ppg of sand. ISIP was 1715.

RU BJ & frac stage #5 as follows: 40,033#'s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/8 ppg of sand. ISIP was 1715.

Tubing Leak. Updated rod & tubing details. Pump Change. Update rod and tubing details

Pump Change, Updated rod & tubing detail.

Pump Change: updated rod & tubing detail Convert to Injection Well

Conversion MIT Finalized - update tbg detail

40 holes

PERFORATION RECORD 8/25/08 4122-4132' 4 JSPF

0. =0. 00	1122 1122		io notos
8/25/08	4212-4226'	4 JSPF	56 holes
8/25/08	4352-4358'	4 JSPF	24 holes
8/25/08	4378-4384'	4 JSPF	24 holes
8/25/08	4682-4688'	4 JSPF	24 holes
8/25/08	4958-4962'	4 JSPF	16 holes
8/25/08	4936-4942'	4 JSPF	24 holes
8/22/08	5052-5064'	4 JSPF	48 holes
9/18/07	5166-5182'	4 JSPF	84 holes
9/18/07	5394-5415	4 JSPF	84 holes



FEDERAL 9-18-9-16

2054' FSL & 470' FEL NE/SE Section 18-T9S-R16E Duchesne Co, Utah API #43-013-32920; Lease # UTU-64379

FEDERAL 16-18-9-16

Spud Date: 06/27/07

Put on Production: 09/13/07

GL: 6111' KB: 6123'

Injection Wellbore Diagram

Cement Top @ 70'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (305.53') DEPTH LANDED: 317.38' KB HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 139 jts. (6028.19') DEPTH LANDED: 6041.44' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP: 70'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6,5#

NO. OF JOINTS: 146 jts (4603')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4615' KB

ON/OFF TOOL AT: 4616.1'

ARROW #1 PACKER CE AT: 4621.06'

XO 2-3/8 x 2-7/8 J-55 AT: 4624.8'

TBG PUP 2-3/8 J-55 AT: 4625.3'

X/N NIPPLE AT: 4629.4'

TOTAL STRING LENGTH: EOT @ 4631.05'

SN @ 4615'
On Off Tool @ 4616'

Packer @ 4621'
X/N Nipple @ 4625'
EOT @ 4631'

4674-4680'
4727-4732'

5051-5066'

5298-5312'

PBTD @ 6002' SHOE @ 6041'

TD @ 6050'

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Frac LODC sands as follows: 49689# 20/40 sand in 465 bbls Lightning 17 frac fluid. Treated@ avg press of 1986 psi w/avg rate of 24.7 BPM. ISIP 2376 psi. Calc flush5702 gal. Actual flush: 4830 gal.

09/10/07 5051-5066' Frac A1 sands as follows:

FRAC JOB

1-10-08

1/14/09

02/07/14

02/07/14

09/10/07 5298-5312'

79844# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated@avg press of 2030 psi w/avg rate of 24.8 BPM. ISIP 2400 psi. Calc flush: 4999 gal. Actual flush: 4578 gal.

09/12/07 4674-4732' Frac D2 & D1 sands as follows:

31828# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 1974 psi w/avg rate of 24.8 BPM. ISIP 1974 psi. Calc flush: 4672 gal. Actual flush: 4578 gal.

Pump Change. Updated rod &tubing details.
Pump Change. Updated rod &tubing details.

Convert to Injection Well

Conversion MIT Finalized – update tbg detail

detail

PERFORATION RECORD

 09/11/07
 5298-5312'
 4 JSPF
 56 holes

 09/11/07
 5051-5066'
 4 JSPF
 60 holes

 09/11/07
 4727-4732'
 4 JSPF
 20 holes

 09/11/07
 4674-4680'
 4 JSPF
 24 holes



FEDERAL 16-18-9-16

964'FSL & 297' FEL SE/SE Section 18-T9S-R16E Duchesne Co, Utah API #43-013-32922; Lease # UTU-64379

WEST POINT FED 6-18-9-16

Spud Date: 10/11/2007

Put on Production: 11/21/2007

GL: 6084' KB: 6096'

Injection Wellbore Diagram

Cement Top @ 85

Casing shoe @ 319

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24#

LENGTH: 7 jts (307.26') DEPTH LANDED: 319' HOLE SIZE:12 '4'

CEMENT DATA: To Surface w/160 sx class 'G' cement

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH:

DEPTH LANDED: 6007'
HOLE SIZE: 7 7/8'

CEMENT DATA: 300 sx primlite II and 400 sx 50/50 poz

CEMENT TOP: 85'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 133 jts (4183.7')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4195.7' KB
ON/OFF TOOL AT: 4196.8'
PACKER CE @ 4201.89'
XO AT: 4205.6'
TBG PUP AT: 4206.1'
XN NIPPLE AT: 4210.1'

TOTAL STRING LENGTH: EOT (\hat{a}) 4212' KB

FRAC JOB

11/13/07 5663-5692'

Frac CP1 sds w/ 130,809#s of 20/40 sand in 968 bbls of Lightning 17 fluid. Broke @ 1459 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1872 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2168 psi Calc Flush:? Actual Flush: 5153 gals.

Cute I lusii.: Actual I lus

11/14/07 5272-5282' Frac A3 sds w/ 34,743#s of 20/40 sand in 417 bbls of Lightning 17 fluid. Broke @ 3550 psi.
Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1937 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2347 psi

Calc Flush:? Actual Flush: 4767 gals.

11/14/07 4974-4986'

Frac B.5 sds w/ 80,129#'s of 20/40 sand in 625 bbls of Lightning 17 fluid. Broke @ 3658 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1721 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1899 psi Cale Flush: Actual Flush: 4553 gals.

11/14/07 4913-4924'

Frac C sds w/40,150#'s of 20/40 sand in 408 bbls of Lightning 17 fluid. Broke @ 1850 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2084 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2483 psi Cale Flush: 'Actual Flush: 4368 gals.

11/14/07 4226-4250'

Frac GB4 sds w/ 124,267#s of 20/40 sand in 914 bbls of Lightning 17 fluid. Broke @ 1250 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1676 psi @ ave rate of 24.8 BPM. ISIP 1895 psi. Calc Flush: ? Actual Flush: 4158 gals.

08/03/12

Convert to Injection Well

08/06/12

Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

 11/08/07
 5663-5692'
 4 JSPF
 116 holes

 11/13/07
 5272-5282'
 4 JSPF
 40 holes

 11/14/07
 4974-4986'
 4 JSPF
 48 holes

 11/14/07
 4913-4924'
 4 JSPF
 44 holes

 11/14/07
 4226-4250'
 4 JSPF
 96 holes

5663-5692'

5272-5282'

4913-4924'

4974-49863

Packer @ 4202 EOT @ 4212' 4226-4250'

PBTD @ 5967'

TD@ 6060

NEWFIELD

WEST POINT FEDERAL 6-18-9-16

1971'FNL & 1947' FWL

SE/NW Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-32997; Lease # UTU-74390

WEST POINT FED. 7-18-9-16

Put on Production: 06/29/07

GL: 5902' KB: 5914'

Spud Date: 05/22/07

Injection Wellbore Diagram

SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 06/21/07 5728-57383 Frac CP5 sands as follows: 18787# 20/40 sand in 302 bbls Lightning 17 GRADE: J-55 frac fluid. Treated@ avg press of 2145 psi WEIGHT: 24# w/avg rate of 24.7 BPM. ISIP 2180 psi. Calc Cement Top @ 41' flush: 5726 gal. Actual flush: 5250 gal. LENGTH: 7 jts. (306.52') Frac CP2 & CP1 sands as follows: 06/21/07 5489-55423 DEPTH LANDED: 318.37' KB 79580# 20/40 sand in 611 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2144 psi w/avg rate of 24.7 BPM. ISIP 2255 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf. flush: 5531 gal. Actual flush: 4998 gal. Frac LODC sands as follows: 06/21/07 5110-5176 90131# 20/40 sand in 670 bbls Lightning 17 frac fluid. Treated@ avg press of 2615 psi w/avg rate of 24 BPM. ISIP 2629 psi. Calc flush: 5108 gal. Actual flush: 4662 gal. 06/21/07 5023-5028 Perf. A3 sands/Acid. PRODUCTION CASING Spotted acid twice on perf's, perf's still won't CSG SIZE: 5-1/2" break down. GRADE: J-55 06/21/07 4822-4844 Frac B2 sands as follows: 125067# 20/40 sand in 861 bbls Lightning 17 WEIGHT: 15.5# frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2227 psi. Calc flush: 4820 gal. Actual flush: 4368 gal LENGTH: 136 jts. (5935.87') DEPTH LANDED: 5949.12' KB 06/21/07 4760-4765 Perf. B.5 sands/Acid. HOLE SIZE: 7-7/8" Spotted acid on perf's, perf's still won't CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. break down. 06/22/07 4538-45433 Frac D1 sands as follows: 15108# 20/40 sand in 239 bbls Lightning 17 frac fluid. Treated @ avg press of 2126 psi w/avg rate of 24.7 BPM. ISIP 1935 psi. Calc flush: 4536 gal. Actual flush: 4074 gal TUBING 06/22/07 4038-40603 Frac GB4 sands as follows: SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 88792# 20/40 sand in 618 bbls Lightning 17 NO. OF JOINTS: 128 jts (3988.2') frac fluid. Treated @ avg press of 1713 psi w/avg rate of 24.8 BPM. ISIP 2050 psi. Calc SEATING NIPPLE: 2-7/8" (1.10') flush: 4036 gal. Actual flush: 4032 gal SN LANDED AT: 4000.2' KB 12/16/11 Pump Change. Rods & tubing updated. SN @ 4000' ON/OFF TOOL AT: 4001.3' 08/30/13 Convert to Injection Well On Off Tool @ 4001 ARROW #1 PACKER CE AT: 4006.483 09/04/13 Conversion MIT Finalized - update tbg Packer @ 4006' XO 2-3/8 x 2-7/8 I-55 AT: 4010 33 TBG PUP 2-3/8 J-55 AT: 4010.83 X/N Nipple @ 4015' X/N NIPPLE AT: 4015' EOT @ 4016 4038-4060' TOTAL STRING LENGTH: EOT @ 4016.483 4538-4543 PERFORATION RECORD 06/21/07 5728-5738' 4 ISPE 4760-4765' acid 40 holes 06/21/07 5533-5542' 4 JSPF 36 holes 4822-48443 06/21/07 5489-5500° 44 holes 4 JSPF 06/21/07 5162-5176' 4 JSPF 56 holes 5023-5028' acid 06/21/07 5139-5144' 4 JSPF 20 holes 06/21/07 5110-5115' 4 JSPF 20 holes 5110-5115' 06/21/07 5023-5028' 4 JSPF 20 holes 06/21/07 4822-4844' 4 JSPF 88 holes 5139-5144 06/21/07 4760-4765' 4 JSPF 20 holes 06/22/07 4538-4543' 4 JSPF 20 holes 5162-5176 06/22/07 4038-4060' 4 ISPF 88 holes 5489-5500" **NEWFIELD** 5533-5542' 5728-57383 **WEST POINT FED. 7-18-9-16** 1962'FNL & 1941' FEL PBTD @ 5933' SW/NE Section 18-T9S-R16E SHOE @ 5949 Duchesne Co, Utah API #43-013-32919; Lease # UTU-74390 TD @ 5950'

West Point 4-17-9-16

Spud Date: 11/13/2001 Initial Production: 39 BOPD, Put on Production: 7/23/02 Injection Wellbore 915 MCFD, 3 BWPD GL: 6014' KB: 6024' Diagram SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 7/16/02 5660'-5714' Frac CP1,2,3 sand as follows: 75,449# 20/40 sand in 590 bbls Viking I-25 GRADE: I-55 fluid. Treated @ avg press of 1617 psi w/avg Casing Shoe @ 304' WEIGHT: 24# rate of 26.1 BPM. ISIP 2180 psi. Calc flush: 5660 gal. Actual flush: 5565 gal. LENGTH: 7 jts. (295.67') 7/16/02 5159'-5447' Frac A3, LODC sands as follows: DEPTH LANDED: 303.67' KB Cement top @ 670' 99,628# 20/40 sand in 699 bbls Viking I-25 HOLE SIZE: 12-1/4" fluid. Treated @ avg press of 2039 psi w/avg rate of 26.1 BPM. ISIP 2880 psi. Calc flush: CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf. 5159 gal. Actual flush: 5061 gal 7/16/02 4696-4891' Frac DS3, D1, A3 sands as follows: 90,540# 20/40 sand in 625 bbls Viking I-25 fluid. Treated @ avg press of 1505 psi w/avg PRODUCTION CASING rate of 25.4 BPM. ISIP 2130 psi. Calc flush: 4696 gal. Actual flush: 4599 gal. CSG SIZE: 5-1/2 Frac GB4, PB10, PB11 sands as follows: 7/16/02 4242'-4535' GRADE: J-55 61,611# 20/40 sand in 458 bbls Viking I-25 WEIGHT: 15.5# fluid. Treated @ avg press of 1969 psi w/avg rate of 25.9 BPM. ISIP 2200 psi. Calc flush: LENGTH: 133 jts. (5943.32') 4242 gal. Actual flush: 4158 gal. DEPTH LANDED: 5940.92' KB Pump Change. 1/22/04 HOLE SIZE: 7-7/8' 2/2/04 Pump Change. Update rod and tubing details. CEMENT DATA: 300 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ. 03/19/04 Pump Change. CEMENT TOP AT: 670' per CBL 5/9/05 Tubing leak. Update rod and tubing details. 02/21/06 Tubing leak. 02/22/06 Tubing leak. Update rod and tubing details. TUBING 07-12-06 Pump Change. Update rod & tubing details SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 03/23/11 Pump Change Rod & tubing details updated. NO. OF JOINTS: 129 its (4167') Convert to Injection Well 09/23/11 SEATING NIPPLE: 2-7/8" (1.10') Conversion MIT Finalized - update tbg 09/27/11 SN LANDED AT: 4177' KB detail CE @ 4181.17 Packer @ 4181' EOT @ 4186' TOTAL STRING LENGTH: EOT @ 4186' KB 4242'-4244' 4249'-4251' 4255'-4262' 4507'-4510' 4530'-4535 4696'-4699 4702'-4712' PERFORATION RECORD 4750'-4766' 7/12/02 5708'-5714' 4 JSPF 24 holes 4888'-4891' 5159'-5170' 7/12/02 5683'-5694' 4 JSPF 44 holes 7/12/02 5675'-5680' 4 JSPF 20 holes 5221'-5225' 5350'-5354' 7/12/02 5660'-5666' 4 JSPF 24 holes 7/16/02 5442'-5447' 20 holes 7/16/02 5384'-5396' 4 JSPF 5384'-5396' 48 holes 7/16/02 5350'-5354' 4 JSPF 16 holes 5442'-5447' 7/16/02 5221'-5225' 4 JSPF 16 holes 7/16/02 5159'-5170' 4 JSPF 44 holes 7/16/02 4888'-4891' 4 JSPF 12 holes 4750'-4766' 7/16/02 4 JSPF 64 holes 5660'-5666' 7/16/02 4702'-4712' 4 JSPF 40 holes 5675'-5680' 7/16/02 4696'-4699' 4 JSPF 12 holes 4530'-4535' 5683'-5694' 7/16/02 4 ISPF 20 holes 7/16/02 4507'-4510' 4 JSPF 12 holes 5708'-5714' 7/16/02 4255'-4262' 4 JSPF 28 holes 7/16/02 4249'-4251' 4 JSPF 08 holes Top of Fill @ 5820' **NEWFIELD** 4242'-4244' 4 JSPF PBTD @ 5910'

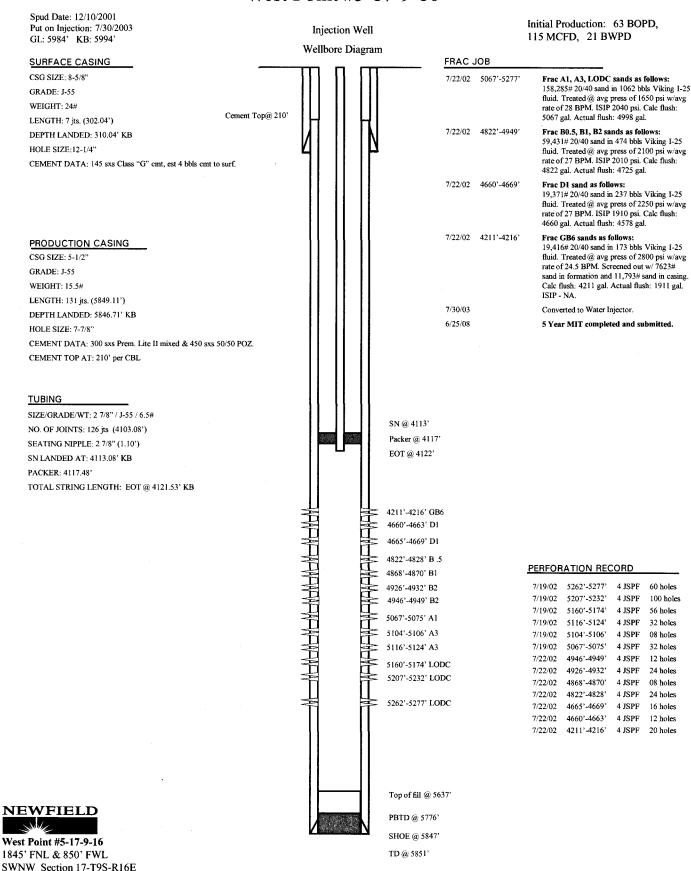
SHOE @ 5940'

TD @ 5953'

West Point 4-17-9-16

532' FNL & 667' FWL NWNW Section 17-T9S-R16E Duchesne Co, Utah API #43-013-32280; Lease #UTU-74390

West Point #5-17-9-16



Duchesne Co, Utah

API #43-013-32281; Lease #UTU-74390

West Point 6-17-9-16

Spud Date: 4/11/02
Put on Production: 8/12/02

1984' FNL & 2050' FWL SE NW Section 17-T9S-R16E Duchesne Co, Utah API #43-013-32283; Lease #UTU-74390 Initial Production: 52 BOPD, 52 MCFD, 14 RWPD

Injection Wellbore 52 MCFD, 14 BWPD GL: 6005' KB: 6015' Diagram FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" 8/05/02 5233'-5386' Frac LODC sand as follows: 199,413# 20/40 sand in 859 bbls Viking I-25 GRADE: J-55 fluid. Treated @ avg press of 1657 psi w/avg rate of 25.5 BPM. ISIP 2250 psi. Calc flush: WEIGHT: 24# 5233 gal. Actual flush: 5166 gal. LENGTH: 7jts (298.85') TOC @ 610' 8/05/02 4890'-5114' Frac B!, A1, A3 sands as follows: DEPTH LANDED: 306.85 65,332# 20/40 sand in 280 bbls Viking I-25 fluid. Treated @ avg press of 1876 psi w/avg HOLE SIZE: 12-1/4" rate of 26.1 BPM, ISIP 2140 psi. Calc flush: CEMENT DATA: 150 sxs Class "G" cmt, circ 2 bbls cmt to surf. 4890 gal. Actual flush: 4809 gal. Frac D1, DS2 sands as follows: 8/05/02 4614'-4707' 43,479# 20/40 sand in 210 bbls Viking I-25 fluid. Treated @ avg press of 2458 psi w/avg rate of 22.4 BPM. ISIP 1940 psi. Calc flush: 4614 gal. Actual flush: 4536 gal. 8/06/02 4234'-4442' Frac GB6, PB10 sands as follows: PRODUCTION CASING 49,565# 20/40 sand in 228 bbls Viking I-25 fluid. Treated @ avg press of 2234 psi w/avg CSG SIZE: 5-1/2' rate of 24.5 BPM. ISIP 2150 psi. Calc flush: GRADE: J-55 4234 gal. Actual flush: 4116 gal. WEIGHT: 15.5# 10/7/02 Pump change. Update rod details. LENGTH: 131jts (5853.63') 8/24/04 Parted Rods. Update rod details. DEPTH LANDED: 5851.23* 07/07/05 Parted Rods. Update rod and tubing details 10/25/13 Convert to Injection Well HOLE SIZE: 7-7/8" 10/30/13 Conversion MIT Finalized - update tbg CEMENT DATA: 275 sxs Premlite II & 450 sxs 50/50 POZ. CEMENT TOP AT: 610' per CBL 8/5/02 TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 128 jts (4148.2') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4158.2' KB SN @ 4158' On Off Tool @ 4159' ON/OFF TOOL AT: 4159.3' ARROW #1 PACKER CE AT: 4164.53 Packer @ 4164' XO 2-3/8 x 2-7/8 J-55 AT: 4168.2' X/N Nipple @ 41733 TBG PUP 2-3/8 J-55 AT: 4168.7° EOT @ 4174' X/N NIPPLE AT: 4172.8' 4234'-4251' TOTAL STRING LENGTH: EOT @ 4174.4' 4434'-4442' PERFORATION RECORD 8/02/02 5372'-5386' 2 JSPF 28 holes 8/02/02 5348'-5364' 32 holes 2 JSPF 4614'-4624' 8/02/02 5332'-5340' 2 JSPF 16 holes 4693'-4696' 8/02/02 5233'-5325' 2 JSPF 184 holes 4704'-4707' 8/05/02 5107'-5114' 4 ISPF 28 holes 4890'-4903' 8/05/02 5067'-5073' 4 JSPF 24 holes 4890'-4903' 8/05/02 4 JSPF 52 holes 8/05/02 4704'-4707' 4 ISPF 12 holes 5067'-5073' 8/05/02 4693'-4696' 4 JSPF 12 holes 5107'-5114' 4614'-4624' 4 JSPF 40 holes 8/05/02 5233'-5325' 8/06/02 4434'-4442' 4 JSPF 32 holes 8/06/02 4234'-4251' 4 JSPF 68 holes 5332'-5340' 5348'-5364' **NEWFIELD** 5372'-5386' West Point 6-17-9-16

PBTD @ 5825' TD @ 5853'

LCN 10/31/13





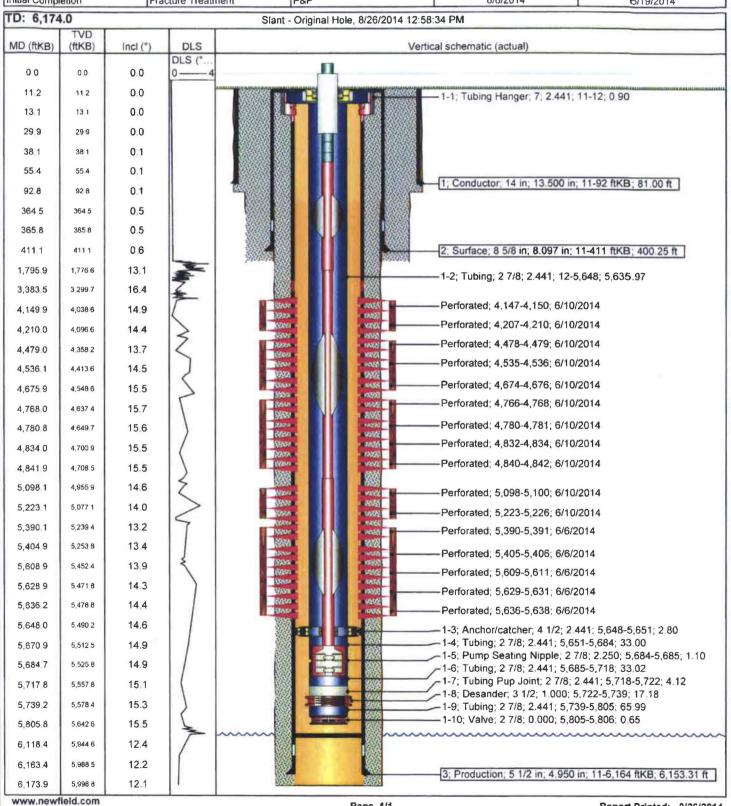
Schematic

Well Name: GMBU M-18-9-16

43-013-51567

NWSE 2014' FS		c 18 T9S R16E		API/UWI 4301351		Well RC 500335348	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
		On Production Date		(ft)		levation (ft)	Total Depth All (TV		PBTD (All) (ftKB)	
4/29/2014	5/24/2014	6/19/2014	5,938		5,927	Original Hol		- 5,998.9	Original Hote -	6,118.1

Most Recent Job nmary Job Type Secondary Job Type Job End Date Initial Completion 6/6/2014 Fracture Treatment P&P 6/19/2014



Attachment E-21

NEWFIELD

Schematic

Well Name: GMBU I-18-9-16

43-013-51571

SWNE 1936' FNL 1914' FEL Sec 18 T9S R16E 43013515710000 500335153 UTU74390	
43013313710000 300003103	Utah GMBU CTB3 Duchesne
Spud Date Rig Release Date On Production Date Original KB Elevation (ft) Ground Elevation (ft) Total Depth All (TVD)	(fiKB) PBTD (All) (fiKB)
5/9/2014 6/1/2014 5,919 5,908 Original Hole - 6	5,052.0 Original Hole - 6,218.3

Most Recent Job										
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date						
Initial Completion	Fracture Treatment	P&P	6/12/2014	6/23/2014						

nitial Comple	etion		cture Treatn		P&P	6/12/2014	6/23/2014
D: 6,255	.0			Slant - 0	Original Hole, 8/26/2014 12:5	9:31 PM	
MD (ftKB)	TVD (ftKB)	Incl (*)	DLS		Vert	tical schematic (actual)	
-15.4	-15 4	0.0	DLS (°		Д		
11.2	112	0.0		986998 - 1	C. SHOOM	— 1-1; Tubing Hanger; 7; 2.441	. 11 12: 0.00
13.1	13 1	0.0		1			, 11-12, 0.50
15.1	15 1	0.0					
20.7	20.7	0.1					
34.8	34 8	0.1					
55,1	55 1	0.2	1 1			1; Conductor; 14 in; 13.500 i	n; 11-39 ftKB; 28.00 ft
276.9	276 9	0.8	11 1	T.			
322.5	322 5	1.0	11 1			-2; Surface; 8 5/8 in; 8.097 in	; 11-323 ftKB; 311.67 ft
2,059.7	2,038 3	16.0	3	-		—1-2; Tubing; 2 7/8; 2.441; 12	-5 948: 5 936 n6
3,622.0	3,519.7	16.2	2			1-2, Tubing, 2 110, 2.441, 12	-5,340, 5,350.00
4,175,9	4,052 8	14.9	2	10000 m	988	Perforated; 4,174-4,176; 6/1	7/2014
4,271.0	4,144 9	14.7	_	5040A (200A	CASA -	Perforated; 4,267-4,271; 6/1	7/2014
4,793.0	4,647 4	16.6	7	(States	MARC -	Perforated; 4,791-4,793; 6/1	7/2014
4,811.0	4,664 7	16.8	1	Mark	1020	Perforated; 4,808-4,811; 6/1	7/2014
5,101.0	4,942.2	17.3		05000 a	01000 · · · · · · · · · · · · · · · · ·	Perforated; 5,099-5,101; 6/1	7/2014
5,148.0	4,986.9	18.1	1/ 1	69600	34055	Perforated; 5,145-5,148; 6/1	7/2014
5,253.9	5,087 8	17.6	17 1	1000		Perforated; 5,254-5,255; 6/1	6/2014
5,264.1	5,097.5	17.6	1/ 1	2000	A195	— Perforated; 5,264-5,266; 6/1	
5,289.0	5,121.2	17.9	((MAXX	2886 0408	Perforated; 5,289-5,291; 6/1	
5,296.9	5,128 7	18.0		(Allenea (Allenea	1999	— Perforated; 5,297-5,298; 6/1	
5,306.1	5,137 4	18.1		(MSKK)	A655	— Perforated; 5,306-5,307; 6/1	
5,327.1	5,157 4	18.4	1) 1	NASA.	18026 (ASS)	Perforated; 5,327-5,328; 6/1	6/2014
5,336.9	5,166 7	18.5		9100 9100	2070	Perforated: 5,337-5,340: 6/1	6/2014
5,711.0	5,523.6	14.7	>	Kara Coesa	W005	Perforated; 5,711-5,712; 6/1	2/2014
5,735.9	5,547 7	15.0		SCHOOL STATE OF THE SCHOOL	1000 VACE	—Perforated, 5,736-5,737; 6/1	
5,758.9	5,569.9	15.2		8000	ANSI CANDI	—Perforated; 5,759-5,761; 6/1	
5,947.8	5,752 1	14.9	3				
5,959 6	5,763 5	14.7				-1-4; Tubing; 2 7/8; 2.441; 5,	951-5,984; 33.00
5,984.9	5,787 9	14.4				1-5; Pump Seating Nipple; 2 Perforated: 5.987-5.990; 6/1	7/8; 2.250; 5,984-5,985; 1.10 2/2014
5,990.2	5,793.0	14.3		Season States	25/25 25/25	Perforated; 5,996-5,999; 6/1	2/2014
5,999.0	5,801 6	14.2		265A	480	1-6; Tubing; 2 7/8; 2.441; 5,9 1-7; Tubing Pup Joint; 2 7/8;	
6,022 0	5,823 9	13.9				1-8; Desander; 3 1/2; 2.441;	6,022-6,039; 17.18
6,105.0	5,904 7	12.3			NA SAN		
6,218.2	6,015 7	10.5	//			<u>~</u>	
			1 /	900 W	**************************************		
6,242.1	6,039 3	10.4	/		**************************************	3: Production: 5 1/2 in: 4 05:	0 in; 11-6,243 ftKB; 6,232.00 ft



Field Name

GMBU CTB3

Duchesne

Spud Date 5/8/2014	Rig Release Date 5/29/2014		Original KB Elevation (ft) 5.919	Ground Elevation (ft) 5.908	Total Depth All (TVD) (ftKB) Original Hole - 6,008.5	PBTD (All) (ffKB) Original Hole - 6,064.1
Most Recen			15,515	3,906	Original Flore - 0,000.3	Original Hote - 6,064.1
Job Category		Primary Job Type		dary Job Type	Job Start Date	Job End Date

b Category itial Comple	etion		ry Job Type ture Treatme	Secondary Job Type P&P	Job Start Date 6/12/2014	Job End Date 6/19/2014
D: 6,126	.0			Slant - Original Hole, 8/26/2014 1:00	0:20 PM	
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vert	tical schematic (actual)	
2.0	2.0	0.8	DLS (°	Д		
10.8	10.8	0.8			—1-1; Tubing Hanger; 7; 2.4	41; 10-11; 0.90
13.1	13 1	0.8				
32.2	32 2	0.8				
37,1	37 1	0.8			1; Conductor; 14 in; 13.500	0 in; 11-37 ftKB; 26.00 ft
265.1	265 1	0.8				
275.3	275.3	0.8				
311.4	311.3	0.8			2: Surface: 8 5/8 in: 8.097	in; 11-313 ftKB; 301.98 ft
320.9	320 9	0.8	3			
3,337.3	3,277 7	15.5	I		— 1-2; Tubing; 2 7/8; 2.441; 1	11-5,683; 5,671.45
4,092.8	4,012.7	10.9	7	itter victi	Perforated; 4,093-4,095; 6	/16/2014
4,130.9	4,050_1	10.9	/	Street Street	Perforated; 4,131-4,132; 6	/16/2014
4,136.2	4,055 2	10.9	7	1000	Perforated; 4,136-4,138; 6	/16/2014
4,550.9	4,463 4	9.6	7	1907 Page 1908	Perforated; 4,551-4,553; 6	/16/2014
4,629.9	4,541 3	10.3	12 1	1990s 4556	Perforated; 4,630-4,633; 6	/16/2014
4,759.8 4,961.0	4,668.9 4,865.6	11.6 11.7		1016 P 2005	Perforated; 4,760-4,764; 6	/16/2014
5,083.0	4,985.4	10.8	7	200		/16/2014
5,124.0	5,025 6	11.3		2550 255K	Perforated; 5,123-5,124; 6	/16/2014
5,132.9	5,034.3	11.4		1994	Perforated; 5,132-5,133; 6	/16/2014
5,144.0	5,045.2	11,6	1	1000 - 10	Perforated; 5,143-5,144; 6	/16/2014
5,152.9	5,053.9	11.8		1000 PAGE	Perforated; 5,151-5,153; 6	/16/2014
5,162 1	5,062 9	12.0		9000 9000 9000	—Perforated; 5,160-5,162; 6	/16/2014
5,581.0	5,472 5	11.2	1 7 1	1910		/12/2014
5,601.0	5,492 1	11.6	\	1990 - 1990 6540 - 1995	Perforated; 5,600-5,601; 6	/12/2014
5,607.0	5,497 9	11.7		2000	Perforated; 5,606-5,607; 6	
5,685.4	5,574 6	12,2			1-3; Anchor/catcher; 5 1/2 -1-4; Tubing; 2 7/8; 2.441;	
5,704.1	5,592.9	12.1		Steel Steel	Perforated; 5,700-5,704; 6	3/12/2014
5,718 2	5,606 7	12.0			— 1-5; Pump Seating Nipple:	; 2 7/8; 2.441; 5,718-5,719; 1.10
5,734.9	5,623 0	12.1			1-6; Tubing; 2 7/8; 2.441;	
5,756.6	5,644 2	12.2			1-8; Desander; 2 7/8; 2.44	1; 5,756-5,774; 17.09
5,839.6	5,725 5	11.0			— 1-9; Tubing; 2 7/8; 2 441; — 1-10; Safety valve; 2 7/8; 2	
6,064.0	5,947 0	7.6	1 5			Decided May 10 May A Address Mr. 1907.
6,109.9	5,992 5	7.2			3; Production: 5 1/2 in: 4 9	950 in; 11-6,111 ftKB; 6,099.71 ft
6,126.0	6,008 5	7.1		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	The state of the state of the	3, 5, 1110, 0,000.7111



NEWFIELD July .

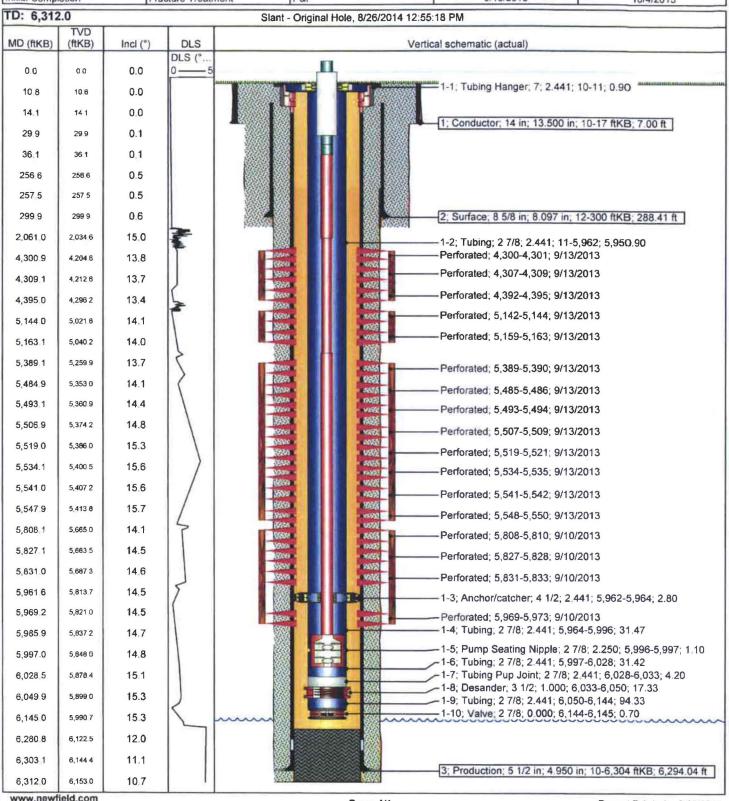
Schematic

Well Name: GMBU H-17-9-16

43-013-51573

Surface Legal Location SENW 1944 FNL 2	2044 FWL Sec	17 T9S R16E M		APVUWI 4301351		Weil RC 500335149	UTU74390	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Committee of the commit	9	On Production Date 10/4/2013	Original KB Elevation 6,016	(ft)	Ground El 6,006	levation (ft)	Original Hole -		PBTD (All) (fiks) Original Hole -	6,281.0

Most Recent Job job Start Date Initial Completion 9/10/2013 Fracture Treatment P&P 10/4/2013



Attachment E-24

NEWFIELD

Schematic

Well Name: GMBU S-18-9-16

43-013-51608

Surface Legal Location NWSE 1995' FSL 1925' FEL Sec	: 18 T9S R16E	430135160800	Well RC 00 500343113	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
	On Production Date Original KB Election 5,938	ration (ft) Ground 5,927	Elevation (ft)	Total Depth All (TVD Original Hole -		PBTD (All) (ftKB) Original Hote -	6,133.0

Most Recent Job									
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date					
Initial Completion	Fracture Treatment	P&P	6/6/2014	6/16/2014					

nitial Comple		1110	cture Treatme		6/6/2014	6/16/2014
D. 6,178	TVD			Slant - Original Hole, 8/26/2014 1	:01:12 PM	
MD (ftKB)	(ftKB)	Incl (°)	DLS (°	V	'ertical schematic (actual)	
2.0	20	0.0	0-5	П		
11.2	11 2	0.0	Page 1	The Harman	—1-1; Tubing Hanger; 7; 2.441;	11-12; 0.90
13.1	13 1	0.0	1			
32.2	32 2	0.0				
88.9	88 9	0.1		4 11 11 11 11	1; Conductor; 14 in; 13.500 in;	11-89 ftKB; 78.00 ft
365.2	365 1	0.6				
409.8	409 8	0.6			2; Surface; 8 5/8 in; 8.097 in;	11-410 ftKB; 398.81 ft
1,682.1	1,676 1	4.9	=		1-2; Tubing; 2 7/8; 2,441; 12-5	i,881; 5,869.27
3,454.4	3,399 4	22.4	2			014
4,067.9	3,975 2	18.8		\$5505 \$450 \$450 \$450 \$450 \$450 \$450 \$450	Perforated: 4,066-4,068; 6/9/2	
4,073.2	3,980 2	18.9	1/1	\$500 2555 2650	Perforated; 4,072-4,073; 6/9/2Perforated; 4,105-4,106; 6/9/2	
4,106.0	4,011.2	19.1		\$2555 \$2555 \$2555	——Perforated; 4,122-4,123; 6/9/2	
4,123.0	4,027.3	19.1		Server Lands	Perforated; 4,128-4,133; 6/9/2	
4,132.9	4,036.6	19.1	=	\$600 00065 6600 00065	Perforated; 4,622-4,624; 6/9/2	
4,624.0	4,502 4	19.3		19648	——Perforated; 4,636-4,638; 6/9/2	
4,638.1	4,515.7	19.6	}	55574 8655 2024 4023		
4,715.9	4,588 8	20.2	7	CESTA SAGE MARIE SAGE		
4,888 1 4,920 9	4,750 1 4,780 6	20.9	$ \ $	(8)00 M(6)		014
5,048.9	4,899 0	22.9		983A 2008	Perforated; 5,046-5,049; 6/9/2	
5,063.0	4,912 0	22.9		\$650 \$000	Perforated; 5,060-5,063; 6/9/2	014
5,774.0	5,570 9	19.1	1			
5,799.9	5,595 4	19.2		3000	Perforated; 5,774-5,777; 6/6/2	014
5,881.2	5,872 3	18.8		2000	Perforated; 5,800-5,802; 6/6/2	
5,907.2	5,896 9	18.7			——1-3; Anchor/catcher; 4 1/2; 2.4 ——1-4; Tubing; 2 7/8; 2.441; 5,88	
5,918.0	5,707 1	18.6			1-5; Pump Seating Nipple; 2 7	
5,945.9	5,733 6	18.3			1-6; Tubing; 2 7/8; 2.441; 5,91	
5,951.1	5,738.6	18.2			Perforated; 5,946-5,949; 6/6/2	
5,972 1	5,758 5	17.8	\	1 1 1 1	1-8; Desander; 3 1/2; 1.000; 5	,955-5,972, 17.18
6,000 0	5,785 1	17.2		3000	Perforated; 5,997-6,000; 6/6/2	
6,039 0	5,822 5	16.4)		1-10; Safety valve; 2 7/8; 6,03	
6,134.8	5,914 9	14.8		1		
6,155.8	5,935 2	14.6			3; Production; 5 1/2 in; 4.950	in; 11-6,156 ftKB; 6,144.97 ft
www.newfi	old com		1 1	Page 1/1		

Attachment E-25

NEWFIELD

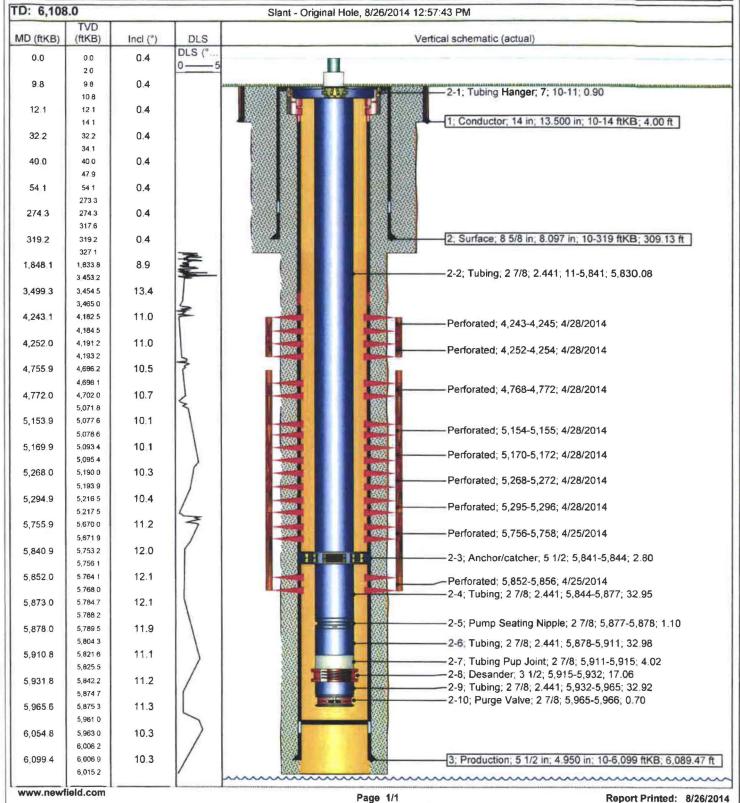
Schematic

Well Name: GMBU R-18-9-16

43-013-52436

SESW 1031' FSL 2024' FWL Sec 18 T9S R16E			API/UWI 4301352436000	Well RC 500346444	UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
3/27/2014	Rig Release Date 4/7/2014	On Production Date	Original KB Elevation 6,133	KB Elevation (ft) Ground E 6,123		Total Depth All (TVD) (fiKB) Original Hole - 6,015.3 PBTD (All) (fiKB) Original Hole - 6		6,052.9

Most Recent Job										
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date						
Production / Workover	Repairs	Pump Repair	6/25/2014	6/27/2014						



Multi-Chem Analytical Laboratory

1553 East Highway 40

ATTACHMENT F

10f2

multi-chem

A HALLIBRIDATON SERVICE

A HALLIBURTON SERVICE

Vernal, UT 84078

Units of Measurement: Standard

Water Analysis Report

Well Name:

Production Company: NEWFIELD PRODUCTION **WELLS DRAW INJ FACILITY**

Sample Point:

Commingled After Filter

Sample Date: Sample ID:

11/18/2013 WA-259493 Sales Rep: Jacob Bird Lab Tech: Gary Winegar

> Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specific	S	Analysis @ Properties in Sample Specifics							
Test Date:	11/26/2013	Cations	mg/L	Anions	mg/L				
System Temperature 1 (°F):	120	Sodium (Na):	141.00	Chloride (CI):	1000.00				
System Pressure 1 (psig):	2000	Potassium (K):	39.00	Sulfate (SO ₄):	41.00				
System Temperature 2 (°F):	210	Magnesium (Mg):	24.00	Bicarbonate (HCO ₃):	1122.00				
System Pressure 2 (psig):	2000	Calcium (Ca):	41.00	Carbonate (CO ₃):					
Calculated Density (g/ml):	0.999	Strontium (Sr):	0.70	Acetic Acid (CH3COO)					
pH:	6.50	Barium (Ba):	0.00	Propionic Acid (C2H5COO)					
Calculated TDS (mg/L):	2413.76	Iron (Fe):	0.11	Butanoic Acid (C3H7COO)					
CO2 in Gas (%):		Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)					
Dissolved CO ₂ (mg/L)):	24.00	Lead (Pb):		Fluoride (F):					
H ₂ S in Gas (%):		Ammonia NH3:		Bromine (Br):					
H2S in Water (mg/L):	0.00	Manganese (Mn):	0.00	Silica (SiO2):	4.92				
Notes:									

B=.4 Al=.18 Li=0

(PTB = Pounds per Thousand Barrels)

			cium conate	Bariun	1 Sulfate		ron Ilfide		ron conate		psum 4-2H2O		estite SO4		alite IaCl		inc Ilfide
Temp (°F)	PSI	SI	PTB	SI	РТВ	SI	РТВ	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.14	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.06	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Ethics

ATTACHMENT F

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

262 multi-chem

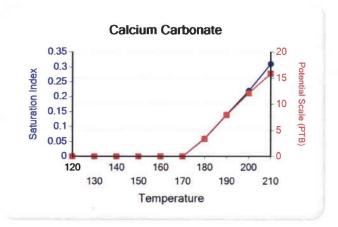
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Water Analysis Report

		Hemihydrate CaSO4~0.5H2 O				Calcium Fluoride		. Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	РТВ	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate

These scales have positive scaling potential under final temperature and pressure:



Ethics



DEC 08 2014

Multi-Chem Analytical Laboratory 1553 East Highway 40

Vernal, UT 84078 Units of Measurement: Standard multi-chem^a

A HALLIBURTON SERVICE

DIV. OF OIL, GAS & MINING

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: 42-18Y-9-16

Sample Point: **CONVERSION/ALFREDO**

Sample Date: 9/12/2014 Sample ID: WA-287123 Sales Rep: Jacob Bird Lab Tech: Gary Winegar

> Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specific	s	Analysis @ Properties in Sample Specifics							
Test Date:	9/17/2014	Cations	mg/L	Anions	mg/L				
System Temperature 1 (°F):	120	Sodium (Na):	7635.01	Chloride (CI):	11000.00				
System Pressure 1 (psig):	2000	Potassium (K):	291.98	Sulfate (SO ₄):	38.00				
System Temperature 2 (°F):	210	Magnesium (Mg):	3.71	Bicarbonate (HCO3):	1830.00				
System Pressure 2 (psig):	2000	Calcium (Ca):	18.95	Carbonate (CO ₃):					
Calculated Density (g/ml):	1.0116	Strontium (Sr):	3.75	Acetic Acid (CH3COO)					
pH:	7.50	Barium (Ba):	2.36	Propionic Acid (C2H5COO)					
Calculated TDS (mg/L):	20833.17	Iron (Fe):	2.69	Butanoic Acid (C3H7COO)					
CO2 in Gas (%):		Zinc (Zn):	0.12	Isobutyric Acid ((CH3)2CHCOO)					
Dissolved CO ₂ (mg/L)):	0.00	Lead (Pb):	0.40	Fluoride (F):					
H2S in Gas (%):		Ammonia NH3:	AND THE CALL OF	Bromine (Br):					
H2S in Water (mg/L):	2.00	Manganese (Mn):	0.17	Silica (SiO2):	6.04				

B=9.85 Al=0 Li=2.28

(PTB = Pounds per Thousand Barrels)

			lcium bonate	Bariur	n Sulfate		ron ılfid e		ron bonate		osum 4·2H2O		estite SO4		alite laCl		Zinc ulfide
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	PTB
210.00	2000.00	0.64	11.90	0.00	0.00	1.72	1.37	1.83	1.93	0.00	0.00	0.00	0.00	0.00	0.00	7.03	0.06
200.00	2000.00	0.57	11.14	0.00	0.00	1.68	1.36	1.77	1.92	0.00	0.00	0.00	0.00	0.00	0.00	7.09	0.06
190.00	2000.00	0.50	10.28	0.00	0.00	1.65	1.35	1.70	1.92	0.00	0.00	0.00	0.00	0.00	0.00	7.16	0.06
180.00	2000.00	0.44	9.34	0.00	0.00	1.62	1.35	1.63	1.91	0.00	0.00	0.00	0.00	0.00	0.00	7.23	0.06
170.00	2000.00	0.37	8.32	0.00	0.00	1.60	1.34	1.56	1.90	0.00	0.00	0.00	0.00	0.00	0.00	7.31	0.06
160.00	2000.00	0.31	7.23	0.00	0.00	1.58	1.34	1.49	1.89	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.06
150.00	2000.00	0.25	6.07	0.00	0.00	1.57	1.33	1.42	1.88	0.00	0.00	0.00	0.00	0.00	0.00	7.49	0.06
140.00	2000.00	0.19	4.85	0.00	0.00	1.57	1.33	1.35	1.86	0.00	0.00	0.00	0.00	0.00	0.00	7.59	0.06
130.00	2000.00	0.14	3.58	0.00	0.00	1.57	1.33	1.28	1.85	0.00	0.00	0.00	0.00	0.00	0.00	7.70	0.06
120.00	2000.00	0.09	2.29	0.00	0.00	1.58	1.34	1.20	1.83	0.00	0.00	0.00	0.00	0.00	0.00	7.82	0.06

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078 DEC 08 2014

multi-chem

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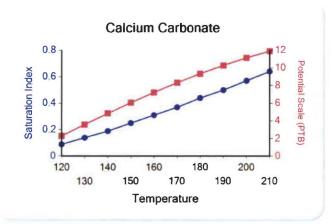
DIV. OF OIL, GAS & MINING

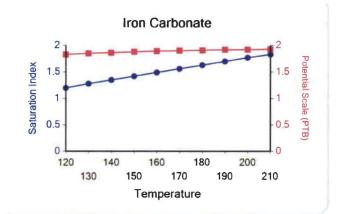
Water Analysis Report

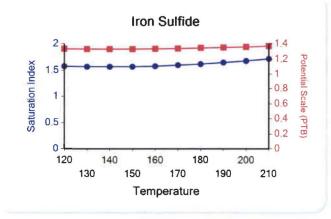
			hydrate 4~0.5H2 O		ydrate SO4		lcium oride		inc oonate		ead Ifide		/lg icate		a Mg icate		Fe icate
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.05	8.62	0.16	0.00	0.00	0.00	0.00	5.17	2.04
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.05	8.75	0.16	0.00	0.00	0.00	0.00	4.75	2.02
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.04	8.89	0.16	0.00	0.00	0.00	0.00	4.32	1.99
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.02	9.03	0.16	0.00	0.00	0.00	0.00	3.89	1.95
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	9.19	0.16	0.00	0.00	0.00	0.00	3.46	1.89
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.16	0.00	0.00	0.00	0.00	3.03	1.82
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.54	0.16	0.00	0.00	0.00	0.00	2.60	1.71
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.73	0.16	0.00	0.00	0.00	0.00	2.18	1.58
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.16	0.00	0.00	0.00	0.00	1.76	1.41
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.15	0.16	0.00	0.00	0.00	0.00	1.35	1.18

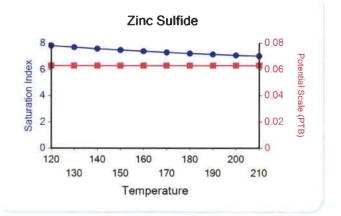
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide Fe Silicate









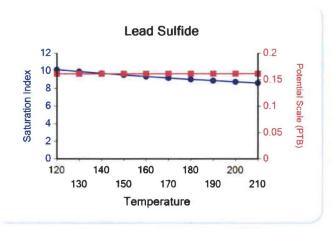


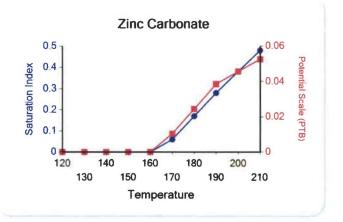
Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078

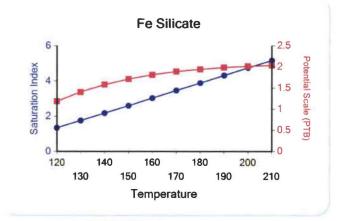
DIV. OF OIL, GAS & MINING



Water Analysis Report







Attachment "G"

Monument Federal #42-18-9-16Y Proposed Maximum Injection Pressure

				Calculated						
Frac	nterval		Frac							
(fe	eet)	Avg. Depth	ISIP	Gradient						
Top	Bottom	(feet)	(psi)	(psi/ft)	Pmax					
5174	5292	5233	1900	0.80	1866 ◀					
				Minimum	1866					

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

EREC, Western Region DAILY OPERATING REPORT

Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

03/15/97 TD: 4337' (899') Day 5

Present Operation: Drilling 7-7/8" hole

Drill 7-7/8" hole to 4033', TOOH, change over to fluid, TIH, circulate and wash to

bottom. Drill 304' of hole w/fluid. Drilled total of 899' of 7-7/8" hole.

DC: \$16,182

CC: \$78,066

03/16/97 TD: 5285' (948'(Day 6

Present Operation: Drilling 7-7/8" hole

Drilled 948' of 7-7/8" hole w/fluid, ran 2 surveys: 4533' - 2° & 5050' - 1-1/4°.

DC: \$17,064

CC: \$95,130

03/17/97 TD: 5900' (615') Day 7

Present Operation: Logging Well

Drill 615' of 7-7/8" hole, TD well @ 5900'. Circulate hole & TOOH, LD drill pipe &

drill collars. RU loggers.

DC: \$11,070

CC: \$106,200

03/18/97 TD: 5900' (0') Day 8

Present Operation: Shut down

Log well, run 5-1/2", J-55, 15.5# csg as follows:

Shoe .90' Shoe Joint 42.45 Float Collar 1.10' 138 Jts Csg 5814.79 Total Csg Length 5859.24 Landing Joint 10.00' Depth Landed 5869.24' KB PRTD 5824.79' KB

Cement Csg w/Lead= 145 sxs Prem Lite Plus + 10% gel + 6#/sx BA-91 + .5% sod met + 2#/sx Kol seal = $\frac{1}{4}\#/\text{sx}$ Cello Flake. Tail = 375 sxs 50/50 poz + 2% gel + $\frac{1}{4}\#/\text{sx}$ Cello Flake + 2#/sx Kol seal. Plug down @ 1:00 PM, Release rig @ 5:00 PM.

03/24/97 Completion

MIRU Cannon Well Service Rig #2. NU 5-M well head. NU BOP, move in rig pump &

tank.

03/25/97 Completion

TIH w/4-3/4" bit, 5-1/2" csg scrapper & 189 jts 2-7/8" tbg. Tag PBTD @ 5824' KB. Circulate well clean w/130 bbls 2% KCL wtr. Pressure test csg & BOP to 1000 psi,

OK. TOOH w/tbg & tools. SWIFD.

DC: \$6,617

CC: \$112,817

EREC, Western Region DAILY OPERATING REPORT

Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

03/26/97 Completion

RU Schlumberger to run CBL & perf. Run CBL from 5808' KB to 800' KB. TOC @ 1050' KB. Perf 5174' - 5177', 5207' - 5210', 5214' - 5217', 5228' - 5241' & 5280' -5292', 2 SPF. TIH w/TS RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN, & 172 jts 2-7/8" tbg. Set BP @ 5184' KB, EOT @ 5149' KB, pkr @ 5142' KB. RU BJ Services & break down 5174' - 5177' w/1932 gals 2% KCL wtr. ATP = 2600 psi, ATR = 3.6 bpm, ISIP = 1400 psi. Used 46 bbls wtr. Reset BP @ 5338' KB, EOT @ 5203' KB, pkr @ 5196' KB. Break down 5207' - 5292' w/4452 gals 2% KCL wtr. ATP = 2200 psi, ATR = 4.2 bpm, ISIP = 1300 psi. Used 106 bbls wtr. TOOH w/tbg, pkr & retrieving tool. Flowed back 25 bbls wtr. SWIFD.

DC: \$8,692

CC: \$121,509

03/27/97 Completion

RU BJ Services & frac 5174' - 5292'. Detail will follow. Used 719 bbls wtr. Start forced closure flow back, .75 bpm. Flow back 215 bbls wtr, trace of sand. SWIFN. DC: \$35,704 CC: \$157,213

03/28/97 Completion

Bleed well down. Flow back 50 bbls wtr. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 167 jts tbg. Tag sand @ 5160' KB. Circulate down to BP @ 5338' KB. Set pkr 5142' KB. Made 32 swab runs. Recovered 6 bbls oil, 151 bbls wtr, trace sand, good gas. Oil 2% last 4 runs. No sand last 9 runs. Fluid level 2100' last 3 runs. SWI until 3/31/97.

DC: \$2,206 CC: \$159,239

EREC, Western Region DAILY OPERATING REPORT

Monument Federal #42-18-9-16Y

Location: SE NE Section 18, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

03/31/97 Completion

Release pkr, tag sand @ 5327' KB, circulate down to BP @ 5338' KB. Release BP, TOOH w/tbg, pkr & BP. TIH w/tbg string as follows:

	LENGTH	DEPTH KB
1 - Notched-pinned collar 2-7/8"	.40'	5363.56'
1 - jt 2-7/8" EUE M-50 8rd 6.5#	30.88'	5363.16'
1 - perf sub 2-7/8" x 4'	4.20'	5332.28'
1 - SN 2-7/8"	1.10'	5328.08'
6 - jts 2-7/8" EUE M-50 8rd 6.5#	185.03'	5326.98'
1 - tbg anchor 2-7/8" x 5-1/2" TRICG	2.75'	5141.95'
166 - jts 2-7/8" EUE M-50 8rd 6.5#	5129.20'	5139.20
KB	10.00'	

ND BOP, ND 5-M well head, NU 3-M well head. Set the anchor w/12" tension. Flange up well head. Tih w/DHP & rod string as follows:

- 1 DHP 2-1/2" x 1-1/2" x 15-1/2' RHAC w/SM plunger (TRICO #1237)
- 1 K-bar 1-1/2" x 25'
- 211 ¾" x 25' D-61 Plain
- 1 3/4" x 4' pony
- 1 polish rod 1-1/4" x 22' SM

Pressure test DHP & thg to 1000 psi, OK. RDMO.

DC: \$25,969

CC: \$185,208

CC: \$220,941

04/10/97 Completion

Start well pumping. 3-3/4 SPM, 86" stroke.

DC: \$35,733

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 5124'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	181' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14 sx Class "G" cement 60'above Uinta/Green River and extending 60' below
5.		Perforate 4 JSPF @ 311'
6.	Plug #4	Circulate 98 sx Class "G" cement down 5 1/2" and up the 5 1/2" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

Monument Federal 42-18-9-16Y

Spud Date: 03/10/97 Put on Production: 4/10/97 GL: 6064' KB: 6078'

Initial Production: 23.5 BOPD, 13.5 MCFPD, 1 BWPD

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT:24#

DEPTH LANDED: 261' HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" + 2% CaCl₂ + 1/4#/sx Cello Flake

Proposed P & A Wellbore Diagram

Circulate 98 sx Class "G" Cement down 5-1/2" casing and up the 5 $\frac{1}{2}$ " x 8 5/8" annulus

Perforate 4 JSPF (a. 311)

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 138 jts (5859') DEPTH LANDED: 5869'

CEMENT DATA: 145 sxs Prem Lite Plus + 10% gel $_6\#/sx$ BA-981 +

.5% sod met + 2#/sx Kol seal + 1/4#/sx Cello Flake

Top of Cement: 1050'

HOLE SIZE: 7-7/8"

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1400'-1520')

181' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2897'-3078')



Monument Federal 42-18-9-16Y

2007 FNL & 388 FEL SE/NE Sec. 18, T9S R16E Duchesne, County API# 43-013-31724; Lease# UTU-74390 100' (12 sx) Class G Cement plug on top of CIBP CIBP (a. 5124'

5174'-5177' 5207'-5210'

> 5214'-5217' 5228'-5241'

5280'-5292'

PBTD (a. 5825)

SHOE (a 5869)

TD @ 5900'